SAMSUNG

LCD TV
LA40F8
LA46F8
LA52F8

Contact SAMSUNG WORLDWIDE

If you have any questions or comments relating to Samsung products,
please contact the SAMSUNG customer care centre.

Country	Customer Care Centre ☎	Web Site
AUSTRALIA	1300 362 603	www.samsung.com/au
CHINA	800-810-5858 010-6475 1880	www.samsung.com.cn
HONG KONG	3698-4698	www.samsung.com/hk
INDIA	3030 8282 1800 110011	www.samsung.com/in/
INDONESIA	0800-112-8888	www.samsung.com/id
JAPAN	0120-327-527	www.samsung.com/jp
MALAYSIA	1800-88-9999	www.samsung.com/my
NEW ZEALAND	0800SAMSUNG(726-7864)	www.samsung.com/nz
PHILIPPINES	1800-10-SAMSUNG(726-7864)	www.samsung.com/ph
SINGAPORE	1800-SAMSUNG(726-7864)	www.samsung.com/sg
THAILAND	1800-29-3232 02-689-3232	www.samsung.com/th
TAIWAN	0800-329-999	www.samsung.com/tw
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SOUTH AFRICA	0860-SAMSUNG(726-7864)	www.samsung.com/za
U.A.E	800-SAMSUNG (726-7864) 8000-4726	www.samsung.com/mea

Owner's Instructions

Before operating the unit,
please read this manual thoroughly,
and retain it for future reference.

ON-SCREEN MENUS
PC DISPLAY
PICTURE IN PICTURE (PIP)
TELETEXT

Register your product at www.samsung.com/global/register
Record your Model and Serial number here for future reference.
▪ Model _____ ▪ Serial No. _____

Precautions When Displaying a Still Image

A still image may cause permanent damage to the TV screen.

- Do not display a still image on the LCD panel for more than 2 hours as it can cause screen image retention.
  This image retention is also known as "screen burn".
  To avoid such image retention, reduce the degree of brightness and contrast of the screen when displaying a still image.

- Watching the LCD TV in 4:3 format for a long period of time may leave traces of borders displayed on the left, right and center of the screen caused by the difference of light emission on the screen. Playing a DVD or a game console may cause a similar effect to the screen. Damages caused by the above effect are not covered by the Warranty.

- Displaying still images from Video games and PC for longer than a certain period of time may produce partial after-images.
  To prevent this effect, reduce the 'brightness' and 'contrast' when displaying still images.

Contents

| Symbol | Press | Important | Note | One-Touch Button |

List of Parts

Please make sure the following items are included with your LCD TV.
If any items are missing, contact your dealer.

Remote Control & Batteries (AAA x 2)	Power Cord	Cover-Bottom	Cleaning Cloth

♦ Owner's Instructions	♦ Warranty card	♦ Safety Guide	♦ Registration Cards

➣ Warranty card / Safety Guide / Registration Cards (Not available in all locations)

Installing the Wall Mount Kit
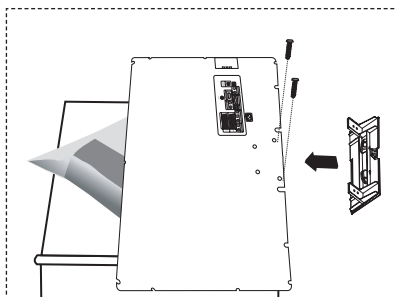
Wall mount items (sold separately) allow you to mount the TV on the wall.
For detailed information on installing the wall mount, see the instructions provided with the Wall Mount items. Contact a technician for assistance when installing the wall mounted bracket.
Samsung Electronics is not responsible for any damage to the product or injury to yourself or others if you elect to install the TV on your own.

⚠ Do not install your Wall Mount Kit while your TV is turned on. It may result in personal injury due to electric shock

➣ Remove the stand and cover the bottom hole with a cap and fasten with two screws.

Viewing the Control Panel

➣ The product colour and shape may vary depending on the model.

Front Panel buttons
Touch the each button to operate.
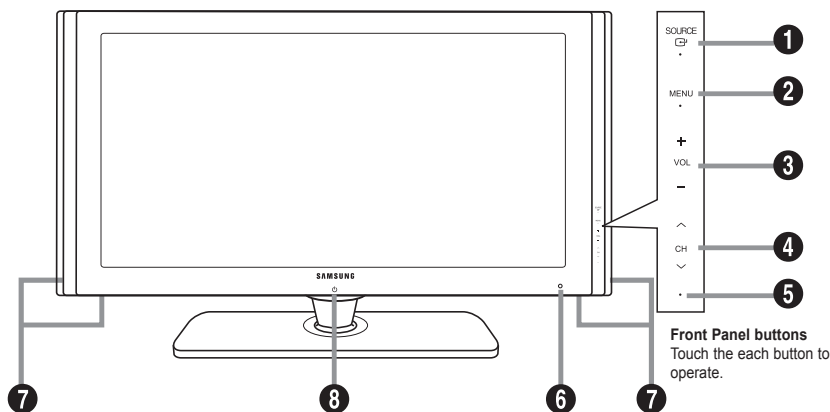
❶ **SOURCE** ⤶
Toggles between all the available input sources (TV, AV1, **AV2**, **S-Video**, **Component1**, Component2, **PC**, HDMI1, **HDMI2**, **HDMI3**). In the on-screen menu, use this button as you use the **ENTER/OK** button on the remote control.

❷ **MENU**
Press to see an on-screen menu of your TV's features.

❸ **- VOL +**
Press to decrease or increase the volume. In the on-screen menu, use the **- VOL +** buttons as you use the ◄ and ► buttons on the remote control.

❹ ⌄ **CH** ⌃
Press to change channels. In the on-screen menu, use the ⌄ **CH** ⌃ buttons as you use the ▼ and ▲ buttons on the remote control. (Without the Remote Control, you can turn on the TV by using the Channel buttons.)

❺ **Power Indicator**
Blinks and turns off when the power is on and lights up in stand-by mode.

❻ **Remote Control Sensor**
Aim the remote control towards this spot on the TV.

❼ **Speakers**

❽ ⏻ **(Power)**
Touch the silver sensor below the (⏻) mark to turn the TV on and off.

Silver sensor
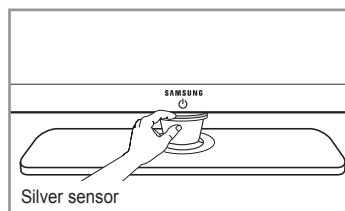
Viewing the Connection Panel

[Side Panel Jacks]

➢ The product colour and shape may vary depending on the model.
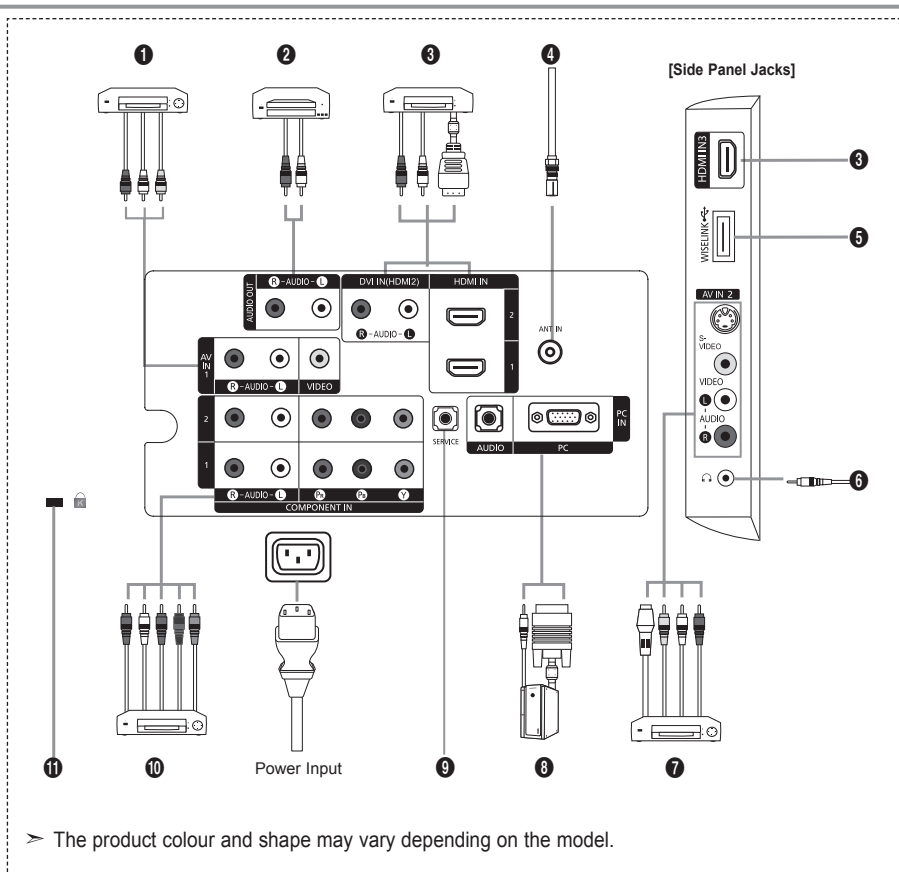
➢ Whenever you connect an external device to your TV, make sure that power on the unit is turned off.
➢ When connecting an external device, match the colour of the connection terminal to the cable.

❶ Connecting External A/V Devices (AV IN 1)
  - Connect RCA cable to an appropriate external A/V device such as VCR, DVD or Camcorder.
  - Connect RCA audio cables to "R - AUDIO - L" on the rear of your set and the other ends to corresponding audio out connectors on the A/V device.

❷ AUDIO OUT(R-AUDIO-L)
  - Connect RCA audio cables to AUDIO OUT "R-AUDIO-L" on the rear of your set and the other ends to corresponding audio in connectors on the Amplifier or DVD Home Theatre.

❸ HDMI IN 1, HDMI IN 2, HDMI IN 3
  - Supports connections between HDMI-connection-enabled AV devices (Set-Top Boxes, DVD players)
  - No additional Audio connection is needed for an HDMI to HDMI connection.
  - When using an HDMI/DVI cable connection, you must use the HDMI IN2 jack.

➣ What is HDMI?
- "High Definition Multimedia interface" allows the transmission of high definition digital video data and multiple channels of digital audio (5. 1 channels).
- The HDMI/DVI terminal supports DVI connection to an extended device with the appropriate cable (not supplied). The difference between HDMI and DVI is that the HDMI device is smaller in size, has the HDCP (High Bandwidth Digital Copy Protection) coding feature installed, and supports multi - channel digital audio.
➣ The TV may not output sound and pictures may be displayed with abnormal colour when DVD players/Cable Boxes/Satellite receivers supporting HDMI versions older than 1.3 are connected. When connecting an older HDMI cable and there is no sound, connect the HDMI cable to the HDMI IN 2 jack and the audio cables to the DVI IN (HDMI2) "R-AUDIO-L" jacks on the back of the TV. If this happens, contact the company that provided the DVD player/Cable Box/Satellite receiver to confirm the HDMI version, then request an upgrade.
HDMI cables that are not 1.3 may cause annoying flicker or no screen display.

DVI IN (HDMI 2) (R-AUDIO-L)
- DVI audio outputs for external devices.

➣ Supported modes for HDMI/DVI and Component

	480i	480p	576i	576p	720p	1080i	1080p
HDMI/DVI 50Hz	X	X	X	O	O	O	O
HDMI/DVI 60Hz	X	O	X	X	O	O	O
Component	O	O	O	O	O	O	O

❹ ANT IN
To view television channels correctly, a signal must be received by the set from one of the following sources:
- An outdoor aerial / A cable television network / A satellite network

❺ WISELINK
- Connect a USB mass storage device to view photo files (JPEG) and play audio files (MP3)

❻ Headphones jack
- Headphone may be connected to the headphone output on your set. While the head phone is connected, the sound from the built-in speakers will be disabled.

❼ S-VIDEO or VIDEO / R-AUDIO-L
- Connect RCA or S-VIDEO cable to an appropriate external A/V device such as VCR, DVD or Camcorder.
- Connect RCA audio cables to "R - AUDIO - L" on your set and the other ends to corre sponding audio out connectors on the A/V device.

❽ PC IN (PC)/(AUDIO)
- Connect to the video and audio output jack on your PC.

❾ SERVICE
- Connect this to the jack on the optional wall mount bracket. This will allow you to adjust the TV viewing angle using your remote control.

❿ COMPONENT IN 1, 2
- Connect component video cables (optional) to component connector ("P$_R$", "P$_B$", "Y") on the rear of your set and the other ends to corresponding component video out connectors on the DVD.
- If you wish to connect both the Set-Top Box and DVD, you should connect the Set-Top Box to the DVD and connect the DVD to component connector ("P$_R$", "P$_B$", "Y") on your set.
- The P$_R$, P$_B$ and Y connectors on your component devices (DVD) are sometimes labeled Y, B-Y and R-Y or Y, Cb and Cr.
- Connect RCA audio cables (optional) to "R - AUDIO - L" on the rear of your set and the other ends to corresponding audio out connectors on the DVD.
- This LCD TV displays its optimum picture resolution in 1080p mode.
- This LCD TV displays its maximum picture resolution in 1080p mode.

**⓫ Kensington Lock (depending on the model)**
- The Kensington lock (optional) is a device used to physically fix the system when used in a public place.
- If you want to use a locking device, contact the dealer where you purchased the TV.
- The place of the Kensington Lock may be different depending on its model.

Viewing the Remote Control

❶ Selects a target device to be controlled by the Samsung remote control (TV, DVD, STB, CABLE, VCR) (Refer to pages 29~32)

❷ Television Standby button

❸ Number buttons for direct channel access

❹ One/Two-digit channel selection

❺ It display "Channel List" on the screen.

❻ Selects the TV mode directly

❼ VCR/DVD Functions Rewind, Stop, Play/Pause, Fast/Forward

❽ ⊕ Volume increase
   ⊖ Volume decrease

❾ Temporary sound switch-off

❿ Displays the main on-screen menu

⓫ Sound mode selection.

⓬ Returns to the previous menu.

⓭ Picture effect selection

⓯ Sound effect selection

⓰ SRS TS XT selection

⓱ Adjusts 5 separate devices - TV, DVD, STB, CABLE, or VCR.

⓲ Press to backlight the VOL, CH, and the active source button(TV, DVD, CABLE, STB, VCR) on the remote.

⓳ Available source selection

⓴ Previous channel

㉑ This function enables you to view and play photo (JPEG) and audio files (MP3) from an external device.

㉒ This remote can be used to control recording on Samsung recorders. (Anynet+ function only)

㉓ P⊙: Next channel
   P⊙: Previous channel

㉔ Exit the on-screen menu

㉕ Control the cursor in the menu

㉖ Use to see information on the current broadcast

㉗ Picture freeze

㉘ Runs the Anynet view functions and sets up Anynet devices.

㉙ Picture size selection

㉚ PIP: PIP activation or deactivation
   SOURCE: Sub picture (PIP) source selection
   POSITION: Sub picture (PIP) location selection
   P ⊡⊡: Sub picture (PIP) channel selection

㉛ When your remote does not work, change the batteries and press the "RESET" button for 2-3 seconds before use.

Teletext Functions

❻ Exit from the teletext display

❿ Teletext index

⓮ Alternately select Teletext, Double, or Mix.

⓳ Teletext mode selection (LIST/FLOF)

⓴ Teletext sub page

㉓ P⊙: Teletext next page
   P⊙: Teletext previous page

㉔ Teletext cancel

㉖ Teletext reveal

⓫⓭㉗㉙
Fastext topic selection

㉚ PIP:Teletext Hold
   POSITION: Teletext Store
   SOURCE: Teletext size selection
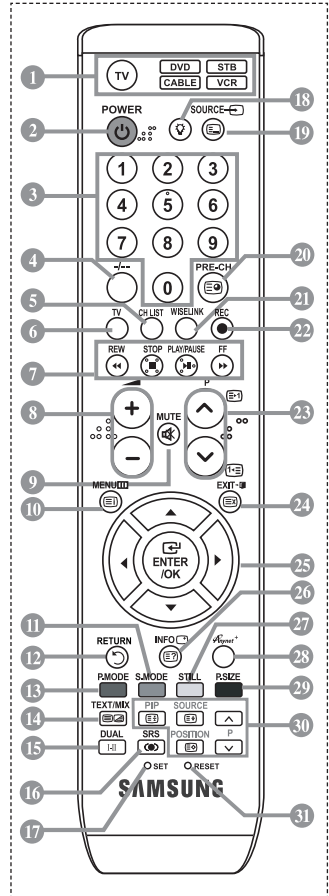
➣ The performance of the remote control may be affected by bright light.

➣ This is a special remote control for the visually impaired, and has Braille points on the Power, Channel, STOP, PLAY/PAUSE and Volume buttons.

Installing Batteries in the Remote Control

1. Lift the cover at the back of the remote control upward as shown in the figure.

2. Install two AAA size batteries.
   ➢ Make sure to match the "+" and "–" ends of the batteries with the diagram inside the compartment.

3. Replace the cover.
   ➢ Remove the batteries and store them in a cool, dry place if you won't be using the remote control for a long time. The remote control can be used up to about 23 feet from the TV.
   (Assuming typical TV usage, the batteries last for about one year.)

➢ If the remote control doesn't work, check the following:
   1. Is the TV power on?
   2. Are the plus and minus ends of the batteries reversed?
   3. Are the batteries drained?
   4. Is there a power outage, or is the power cord unplugged?
   5. Is there a special fluorescent light or neon sign nearby?
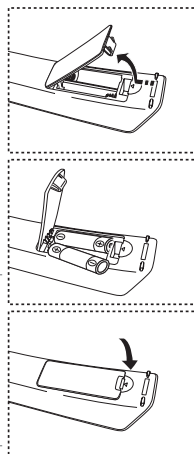
Switching On and Off

The mains lead is attached to the rear of your set.

1. Plug the mains lead into an appropriate socket.
   ➢ The standby indicator lights up on the front of the set.

2. Press the ⏻ button on the front of the set.
   ➢ You also can press the **POWER** ⏻ button or the **TV** button on the remote control to turn the TV on.
   ➢ The programme that you were watching last is reselected automatically.

3. Press the numeric button (0~9) or channel up/down (⊙/⊙) button on the remote control or ⌄ **CH** ⌃ button on the right side of the set.
   ➢ When you switch the set on for the very first time, you will be asked to choose language in which the menus are to be displayed.

4. To switch your set off, press the **POWER** ⏻ button again.

Placing Your Television in Standby Mode

Your set can be placed in standby mode in order to reduce the power consumption. The standby mode can be useful when you wish to interrupt viewing temporarily (during a meal, for example).

1. Press the **POWER** ⏻ button on the remote control.
   ➢ The screen is turned off and a red standby indicator appears on the front of your set.

2. To switch your set back on, simply press the **POWER** ⏻, numeric buttons **(0~9)**, **TV** button or channel up/down (⊙/⊙) button again.
   ➢ Do not leave your set in standby mode for long periods of time (when you are away on holiday, for example).
   It is best to unplug the set from the mains and aerial.

Plug & Play

When the TV is initially powered on, several basic settings proceed automatically and subsequently. The following settings are available.

1. Press the **POWER**⏻ button on the remote control.
    The message "Start Plug & Play" is displayed with "OK" selected.

2. Select the appropriate language by pressing the ▲ or ▼ button.
    Press the **ENTER/OK** button to confirm your choice.

3. Press the ◄ or ► button to select "Shop" or "Home", then the **ENTER/OK** button.
    ➢ We recommend setting the TV to Home mode for the best picture in your home environment.
    ➢ Shop mode is only intended for use in retail environments.
    ➢ If the unit is accidentally set to Shop mode and you want to return to Dynamic (Home) mode, press the Volume button and then hold down the **MENU** button for five seconds on the side panel of the TV.

4. The message "Check antenna input." is displayed with "OK" selected.
    Press the **ENTER/OK** button.
    ➢ Please check that the antenna cable is connected correctly.

5. Select the appropriate area by pressing the ▲ or ▼ button.
    Press the **ENTER/OK** button to confirm your choice.

6. The "Auto Store" menu is displayed with the "Start" selected. Press the **ENTER/OK** button.
    ➢ The channel search will start and end automatically.
    ➢ After all the available channels are stored, the "Clock Set" menu appears.
    ➢ Press the **ENTER/OK** button at any time to interrupt the memorization process.

7. Press the **ENTER/OK** button.
    Select the "Month" , "Day" , "Year", "Hour", "Minute", or "am/pm" by pressing the ◄ or ► button.
    Set the "Month" , "Day" , "Year", "Hour", "Minute" or, "am/pm" by pressing the ▲ or ▼ button.
    ➢ You can also set the "Month", "Day", "Year", "Hour" and "Minute" by pressing the number buttons on the remote control.

8. Press the **ENTER/OK** button to confirm your setting. The message "Enjoy your viewing" is displayed. When you have finished, press the **ENTER/OK** button.
    ➢ Even if the **ENTER/OK** button is not pressed, the message will automatically disappear after several seconds.

⬧ **Language**: Select your language.
⬧ **Area**: Select your country or area.
⬧ **Auto Store**: Automatically scans for and stores channels available in the local area.
⬧ **Clock Set**: Sets the current time for the TV clock.

If you want to reset this feature...

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Setup", then press the **ENTER/OK** button.

2. Press the **ENTER/OK** button again, to select "Plug & Play".

3. The message "Start Plug & Play" is displayed.
   (Refer to page 8)

TV	Setup	
	Plug & Play	▷
	Language : English	▷
	Time	▷
	Game Mode : Off	▷
	Blue Screen : Off	▷
	Melody : Off	▷
	PC	
	Home Theatre PC : Off	
	Light Effect : In Watching TV	▷
	▽More	
	♦ Move ⏎Enter ↺ Return	

Plug & Play
Start Plug & Play.
OK
⏎ Enter   ↺ Return

- Storing Channels Automatically
- Storing Channels Manually

TV	Channel	
	Area : Asia/W.Europe	▷
	Auto Store	▷
	Manual Store	▷
	Channel Manager	▷
	Sort	▷
	Name	▷
	Fine Tune	▷
	♦ Move ⏎Enter ↺ Return	

Storing Channels Automatically

You can scan for the frequency ranges available to you (and availability depends on your area). Automatically allocated programme numbers may not correspond to actual or desired programme numbers. However, you can sort numbers manually and clear any channels you do not wish to watch.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Channel", then press the **ENTER/OK** button.

2. Press the **ENTER/OK** button to select "Area".

3. Select the appropriate area by pressing the ▲ or ▼ button.
   Press the **ENTER/OK** button to confirm your choice.

4. Press the ▲ or ▼ button to select "Auto Store", then press the **ENTER/OK** button.

5. Press the **ENTER/OK** button.
   ➣ The TV will begin memorizing all of the available channels.
   ➣ Press the **ENTER/OK** button at any time to interrupt the memorization process and return to the "Channel" menu.

6. After all the available channels are stored, the "Sort" menu appears. (refer to page 12)

Storing Channels Manually

You can store television channels, including those received via cable networks.
When storing channels manually, you can choose:
♦ Whether or not to store each of the channels found.
♦ The programme number of each stored channel which you wish to identify.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Channel", then press the **ENTER/OK** button.

2. Press the ▲ or ▼ button to select "Manual Store", then press the **ENTER/OK** button.

3. Select the required option by pressing the ▲ or ▼ button, then press the **ENTER/OK** button.

4. When you are satisfied with your setting, press the **ENTER/OK** button.

5. Press the **EXIT** button to exit.

TV	Channel	
	Area	: Asia/W.Europe ▷
	Auto Store	▷
	Manual Store	▷
	Channel Manager	▷
	Sort	▷
	Name	▷
	Fine Tune	▷
	⬍ Move ⏎ Enter ↺ Return	

TV	Manual Store	
	Programme	: P 2
	Colour System	: Auto ▷
	Sound System	: BG ▷
	Channel	: C 3
	Search	: 77 MHz
	Store	: ?
	⬍ Move ⏎ Enter ↺ Return	

♦ **Programme** (Programme number to be assigned to a channel)
  − Press the ▲ or ▼ button until you find the correct number.
  ➣ You can also select the channel number directly by pressing the numeric buttons (0~9).

♦ **Colour System: Auto/PAL/SECAM/NTSC4.43/NTSC3.58**
  − Press the ▲ or ▼ button to select the required colour standard.

♦ **Sound System: BG/DK/I/M**
  − Press the ▲ or ▼ button to select the required sound standard.

♦ **Channel** (When you know the number of the channel to be stored)
  − Press the ▲ or ▼ button to select **C** (Air channel) or **S** (Cable channel).
  − Press the ► button, then press the ▲ or ▼ button to select the required number.
  ➣ You can also select the channel number directly by pressing the numeric buttons (0~9).
  ➣ If there is abnormal sound or no sound, re-select the sound standard required.

♦ **Search** (When you do not know the channel numbers)
  − Press the ▲ or ▼ button to start the search.
  − The tuner scans the frequency range until the first channel or the channel that you selected is received on the screen.

♦ **Store** (When you store the channel and associated programme number)
  − Set to "OK" by pressing the **ENTER/OK** button.

➣ **Channel mode**

  − **P** (Programme mode): When completing tuning, the broadcasting stations in your area have been assigned to position numbers from P00 to P99. You can select a channel by entering the position number in this mode.

  − **C** (Air channel mode): You can select a channel by entering the assigned number to each air broadcasting station in this mode.

  − **S** (Cable channel mode): You can select a channel by entering the assigned number for each cable channel in this mode.

Adding / Locking Channels

Using the Channel Manager, you can conveniently lock or add channels.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Channel", then press the **ENTER/OK** button.

2. Press the ▲ or ▼ button to select "Channel Manager", then press the **ENTER/OK** button.

♦ **Adding channels**
   Using the "Channel List", you can add channels.

3. Select "Channel List" by pressing the **ENTER/OK** button.

4. Move to the (⊞) field by pressing the ▲, ▼, ◄ or ► button, select a channel to be added, and press the **ENTER/OK** button to add the channel.

   ➢ If you press the **ENTER/OK** button again, the (✓) symbol next to the channel disappears and the channel is not added.

   ➢ "🔒" is active when "Child Lock" is selected to "On".

♦ **Locking channels**
   This feature allows you to prevent unauthorized users, such as children, from watching unsuitable programmes by muting out video and audio.

5. Press the ▲ or ▼ button to select "Child Lock", then press the **ENTER/OK** button.

6. Select "On" by pressing the ▲ or ▼ button, then press the **ENTER/OK** button.

7. Press the ▲ or ▼ button to select "Channel List", then press the **ENTER/OK** button.

8. Move to the (🔒) field by pressing the ▲, ▼, ◄ or ► button, select a channel to be locked, and press the **ENTER/OK** button.
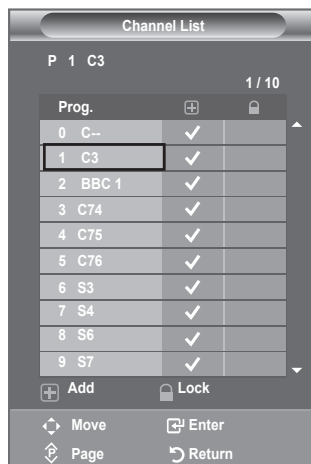
   ➢ If you press the **ENTER/OK** button again, the (✓) symbol next to the channel disappears and the channel lock is canceled.

   ➢ A blue screen is displayed when Child Lock is activated.

9. Press the **EXIT** button to exit.

➢ Select "On" or "Off" in "Child Lock" to easily turn the channels which selected on "🔒" to be active or inactive.

🖱 You can select these options by simply pressing the **CH LIST** button on the remote control

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TV | Channel

Area	: Asia/W.Europe ▷
Auto Store	▷
Manual Store	▷
Channel Manager	▷
Sort	▷
Name	▷
Fine Tune	▷

◆ Move   ↵ Enter   ↺ Return

TV | Channel Manager

Channel List	▷
Child Lock	: Off ▷

◆ Move   ↵ Enter   ↺ Return

Channel List

P 1 C3

1 / 10

Prog.	⊞	🔒
0 C--	✓	
1 C3	✓	
2 BBC 1	✓	
3 C74	✓	
4 C75	✓	
5 C76	✓	
6 S3	✓	
7 S4	✓	
8 S6	✓	
9 S7	✓	

⊞ Add   🔒 Lock
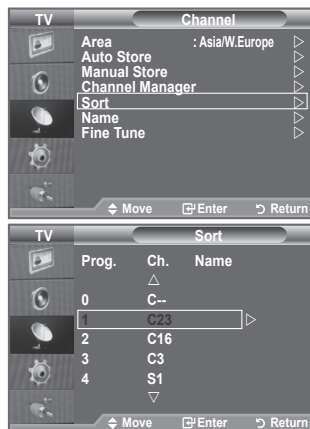
✧ Move   ↵ Enter
🔖 Page   ↺ Return

Sorting the Stored Channels

This operation allows you to change the programme numbers of the stored channels.
This operation may be necessary after using the auto store.

1. Press the **MENU** button to display the menu. Press the ▲ or ▼ button to select "Channel", then press the **ENTER/OK** button.

2. Press the ▲ or ▼ button to select "Sort", then press the **ENTER/OK** button.

3. Select the channel number that you wish to change by pressing the ▲ or ▼ button repeatedly. Press the **ENTER/OK** button.
   ➢ The selected channel number and name are moved to right side.

4. Press the ▲ or ▼ button to move to the position in which you would like to change and then press the **ENTER/OK** button.
   ➢ The selected channel is exchanged with the one previously stored to the chosen number.

5. Repeat steps **3** to **4** for another channel to be sorted.

6. Press the **EXIT** button to exit.

TV	Channel	
	Area	: Asia/W.Europe ▷
	Auto Store	▷
	Manual Store	▷
	Channel Manager	▷
	Sort	▷
	Name	▷
	Fine Tune	▷
	◆ Move ↵ Enter ↺ Return	

TV	Sort	
	Prog. Ch. Name	
	△	
0	C--	
1	C23	▷
2	C16	
3	C3	
4	S1	
	▽	
	◆ Move ↵ Enter ↺ Return	

Assigning Channels Names

Channel names will be assigned automatically when channel information is broadcast. These names can be changed, allowing you to assign new names.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Channel", then press the **ENTER/OK** button.

2. Press the ▲ or ▼ button to select "Name", then press the **ENTER/OK** button.

3. If necessary, select the channel to be assigned to a new name by pressing the ▲ or ▼ button. Press the **ENTER/OK** button.
   ➢ The selection bar is displayed around the name box.

4.

To...	Then...
Select a letter, number or symbol	Press the ▲ or ▼ button
Move on the next letter	Press the ▶ button
Move back the previous letter	Press the ◀ button
Confirm the name	Press the **ENTER/OK** button

➢ The characters available are : Letters of the alphabet (A~Z) / Numbers (0~9) Special characters (+, -, *, /, space)
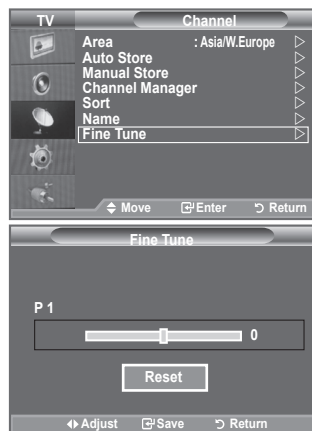
5. Repeat steps **3** to **4** for each channel to be assigned to a new name.

6. Press the **EXIT** button to exit.

TV	Channel	
	Area	: Asia/W.Europe ▷
	Auto Store	▷
	Manual Store	▷
	Channel Manager	▷
	Sort	▷
	Name	▷
	Fine Tune	▷
	◆ Move ↵ Enter ↺ Return	

TV	Name	
	Prog. Ch. Name	
	△	
0	C--	-----
1	C23	-----
2	C16	-----
3	C3	-----
4	S1	-----
	▽	
	◆ Move ↵ Enter ↺ Return	

Fine Tuning Channel Reception

Use fine tuning to manually adjust a particular channel for optimal reception.

1. Use the number buttons to directly select the channel that you want to fine tune.

2. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Channel", then press the **ENTER/OK** button.

3. Press the ▲ or ▼ button to select "Fine Tune", then press the **ENTER/OK** button.

4. Press the ◄ or ► button to adjust the fine tuning.
   Press the **ENTER/OK** button.

5. Press the **EXIT** button to exit.

➣ Fine tuned channels that have been saved are marked with an asterisk "*" on the right-hand side of the channel number in the channel banner. And the channel number turns red.

➣ To reset the fine-tuning, select "Reset" by pressing the ▲ or ▼ button and then press the **ENTER/OK** button.

TV	Channel	
	Area	: Asia/W.Europe ▷
	Auto Store	▷
	Manual Store	▷
	Channel Manager	▷
	Sort	▷
	Name	▷
	Fine Tune	▷

‡ Move   Enter   ↺ Return

Fine Tune

P 1

0

Reset

Adjust   Save   ↺ Return

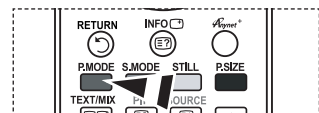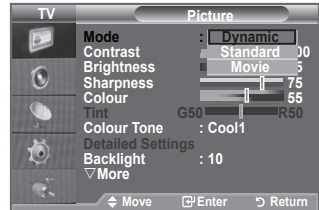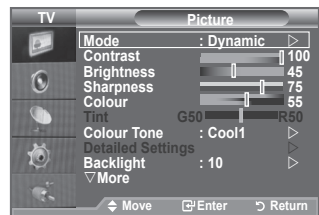# Changing the Picture Standard

You can select the type of picture which best corresponds to your viewing requirements.

1. Press the **MENU** button to display the menu.
   Press the **ENTER/OK** button, to select "Picture".

2. Press the **ENTER/OK** button again, to select "Mode".

3. Press the ▲ or ▼ button to select the desired picture effect.
   Press the **ENTER/OK** button.

4. Press the **EXIT** button to exit.

♦ **Dynamic:** Selects the picture for high-definition in a bright room.

♦ **Standard:** Selects the picture for optimum display in a normal environment.

♦ **Movie:** Selects the picture for comfortable display in a dark room.

➢ The Picture mode must be adjusted separately for each input source.

🖵 You can also press the **P.MODE** button on the remote control to select one of the picture settings.

Adjusting the Custom Picture

Your set has several settings which allow you to control picture quality.

1. To select the desired picture effect, follow the "Changing the Picture Standard" instructions number 1 to 3.

2. Press the ▲ or ▼ button to select a particular item. Press the **ENTER/OK** button.

3. Press the ◄ or ► button to decrease or increase the value of a particular item. Press the **ENTER/OK** button.

4. Press the **EXIT** button to exit.

♦ **Contrast:** Adjusts the lightness and darkness between objects and the background.
♦ **Brightness:** Adjusts the brightness of the whole screen.
♦ **Sharpness:** Adjusts the outline of objects to either sharpen them or make them more dull.
♦ **Colour:** Adjusts the colours, making them lighter or darker.
♦ **Tint:** Adjusts the colour of objects, making them more red or green for a more natural look.

➢ The adjusted values are stored according to the selected Picture mode.
➢ In PC Mode, Only "Contrast" and "Brightness" can be adjusted.
➢ "Tint" is only activated for NTSC broadcasting, "Component" and "HDMI" modes.
➢ You can return to the factory defaults picture settings by selecting the "Reset".
   (Refer to "Resetting the Picture Settings to the Factory Defaults" on page 17)
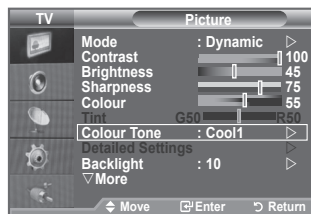
Changing the Colour Tone

You can select the most comfortable colour tone to your eyes.

1. To select the desired picture effect, follow the "Changing the Picture Standard" instructions number 1 to 3. (On page 14)

2. Press the ▲ or ▼ button to select "Colour Tone", then press the **ENTER/OK** button.

3. Press the ▲ or ▼ button to select the desired colour tone setting. Press the **ENTER/OK** button.

4. Press the **EXIT** button to exit

   ♦ **Cool2:** Makes the colour temperature bluer than "Cool1" menu.
   ♦ **Cool1:** Makes whites bluish.
   ♦ **Normal:** Keeps whites white.
   ♦ **Warm1:** Makes whites reddish.
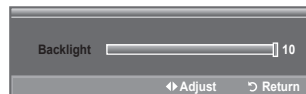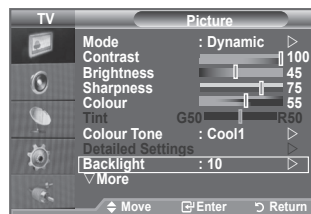   ♦ **Warm2:** Makes the colour temperature redder than "Warm1" menu.
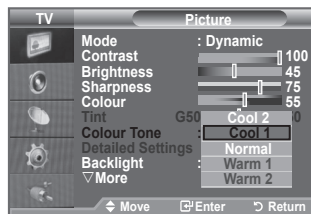
➢ The adjusted values are stored according to the selected Picture mode.

➢ When the picture mode is set to "Dynamic" or "Standard", "Warm1" and "Warm2" cannot be selected.

TV	Picture
Mode	: Dynamic ▷
Contrast	100
Brightness	45
Sharpness	75
Colour	55
Tint	G50 R50
Colour Tone	: Cool1 ▷
Detailed Settings	▷
Backlight	: 10 ▷
▽More	
◆ Move	⏎Enter ↺ Return

TV	Picture
Mode	: Dynamic
Contrast	100
Brightness	45
Sharpness	75
Colour	55
Tint	G50 Cool 2
Colour Tone	: Cool 1
Detailed Settings	Normal
Backlight	Warm 1
▽More	Warm 2
◆ Move	⏎Enter ↺ Return

Activating Backlight

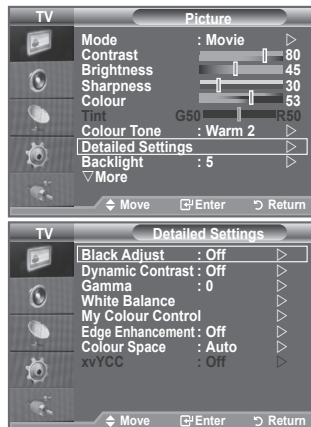**You can adjust the screen brightness by adjusting the LCD backlight brightness. (0~10)**

1. To select the desired picture effect, follow the "Changing the Picture Standard" instructions number 1 to 3. (On page 14)

2. Press the ▲ or ▼ button to select "Backlight", then press the **ENTER/OK** button.

3. Press the ◄ or ► button to decrease or increase the value of a particular item.

4. Press the **ENTER/OK** button.

   Press the **EXIT** button to exit.

TV	Picture
Mode	: Dynamic ▷
Contrast	100
Brightness	45
Sharpness	75
Colour	55
Tint	G50 R50
Colour Tone	: Cool1 ▷
Detailed Settings	
Backlight	: 10 ▷
▽More	
◆ Move	⏎Enter ↺ Return

Backlight	10
	◀▶ Adjust ↺ Return

Configuring Detailed Settings on the Picture

You can set detailed picture settings.

1. Press the **MENU** button to display the menu.
   Press the **ENTER/OK** button, to select "Picture".

2. Press the ▲ or ▼ button to select "Detailed Settings", then press the **ENTER/OK** button.

3. Select the required option by pressing the ▲ or ▼ button, then press the **ENTER/OK** button.

4. When you are satisfied with your setting, press the **ENTER/OK** button.

5. Press the **EXIT** button to exit.

➣ "Detailed settings" is available in "Standard" or "Movie" mode.

➣ If "DNIe" is Off, the "Detailed Settings" cannot be selected when the Picture mode is in "Standard" mode.

TV	Picture	
	Mode	: Movie ▷
	Contrast	80
	Brightness	45
	Sharpness	30
	Colour	53
	Tint	G50 R50
	Colour Tone	: Warm 2
	Detailed Settings	▷
	Backlight	: 5 ▷
	▽More	
	◆ Move	⏎Enter ↺ Return

TV	Detailed Settings	
	Black Adjust	: Off ▷
	Dynamic Contrast : Off	▷
	Gamma	: 0 ▷
	White Balance	▷
	My Colour Control	▷
	Edge Enhancement : Off	▷
	Colour Space	: Auto ▷
	xvYCC	: Off ▷
	◆ Move	⏎Enter ↺ Return

♦ **Black Adjust: Off/Low/Medium/High**
You can directly select the black level on the screen to adjust the screen depth.

♦ **Dynamic Contrast: Off/Low/Medium/High**
You can adjust the screen contrast so that the optimal contrast is provided.

♦ **Gamma: -3 ~ +3**
You can adjust the Primary Color (Red, Green, Blue) Intensity.
Press the ◄ or ► button until you reach the optimal setting.

♦ **White Balance: R-Offset/G-Offset/B-Offset/R-Gain/G-Gain/B-Gain/Reset**
You can adjust the colour temperature for more natural picture colours.
R-Offset/G-Offset/B-Offset/R-Gain/G-Gain/B-Gain: Changing the adjustment value will refresh the adjusted screen.
Select the required option by pressing the ▲ or ▼ button, then press the **ENTER/OK** button.
Press the ◄ or ► button until you reach the optimal setting.
Reset: The previously adjusted white balance will be reset to the factory defaults.

♦ **My Colour Control: Pink/Green/Blue/White/Reset**
This setting can be adjusted to suit your personal preferences.
Pink/Green/Blue/White: Changing the adjustment value will refresh the adjusted screen.
Select the required option by pressing the ▲ or ▼ button, then press the **ENTER/OK** button.
Press the ◄ or ► button until you reach the optimal setting.
Reset: The previously adjusted colours will be reset to the factory defaults.

♦ **Edge Enhancement: Off/On**
You can emphasize object boundaries.

♦ **Colour Space: Auto/Wide**
You can set the colour reproduction space for the input signal to Auto or Wide.

♦ **xvYCC: Off/On**
Setting the xvYCC mode to On increases detail and colour space when watching movies from an external device (ie. DVD player) connected to the HDMI or Component IN jacks. You must set the Picture Mode to Movie to enjoy this feature.
 ➣ Only available in "HDMI" and "Component" on "Movie" mode.
 ➣ If xvYCC function is active, PIP cannot be selected.

Changing the Picture Size

You can select the picture size which best corresponds to your viewing requirements.

1. Press the **MENU** button to display the menu.
   Press the **ENTER/OK** button, to select "Picture".
2. Press the ▲ or ▼ button to select "Size", then press the **ENTER/OK** button.
3. Select the required option by pressing the ▲ or ▼ button.
   Press the **ENTER/OK** button.
4. Press the **EXIT** button to exit.

♦ **16:9:** Adjusts the picture size to 16:9 appropriate for DVDs or wide broadcasting.
♦ **Wide Zoom:** Magnify the size of the picture more than 4:3.
♦ **Zoom:** Magnifies the 16:9 wide picture (in the vertical direction) to fit the screen size.
♦ **4:3:** This is the default setting for a video movie or normal broadcasting.
♦ **Just Scan:** Use the function to see the full image without any cutoff when HDMI (720p/1080i/1080p) or Component (720p/1080i/1080p) signals are input.

➢ In PC Mode, only "16:9" and "4:3" mode can be adjusted.
➢ Depending on the input source, the picture size options may vary.
➢ The items available may differ depending on the selected mode
➢ Zoom : Select ▤ by pressing the ◄ or ► button.
   Use the ▲ or ▼ button to move the picture up and down.
   After selecting ▤ , use the ▲ or ▼ button to magnify or reduce the picture size in the vertical direction.
➢ Wide Zoom : Move the screen up/down using the ▲ or ▼ button after selecting the ▤ by pressing the ► or **ENTER/OK** button.
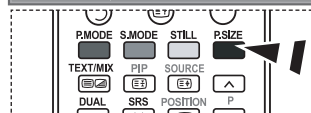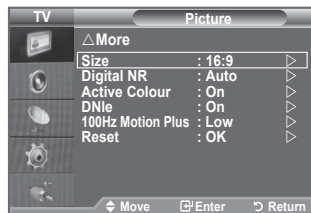
You can select these options by simply pressing the **P.SIZE** button on the remote control.

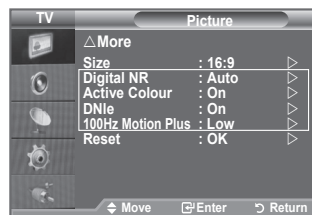# Resetting the Picture Settings to the Factory Defaults

You can return to the factory defaults picture settings.

1. To select the desired picture effect, follow the "Changing the Picture Standard" instructions number 1 to 3 (On page 14).
2. Press the ▲ or ▼ button to select "Reset", then press the **ENTER/OK** button.
3. Press the ▲ or ▼ button to select "OK" or "Cancel".
   Press the **ENTER/OK** button.
4. Press the **EXIT** button to exit.
➢ The "Reset" will be set for each picture mode.
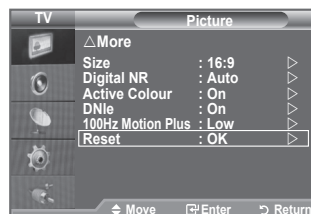
Digital NR / Active Colour / DNIe / 100Hz Motion Plus

1. Press the **MENU** button to display the menu.
   Press the **ENTER/OK** button, to select "Picture".

2. Select the required option by pressing the ▲ or ▼ button,
   then press the **ENTER/OK** button.
   Available options: Digital NR, Active Colour, DNIe, 100Hz
   Motion Plus.

3. When you are satisfied with your setting, press the
   ENTER/OK button.

4. Press the **EXIT** button to exit.

TV	Picture
△ **More**	
Size	: 16:9 ▷
Digital NR	: Auto ▷
Active Colour	: On ▷
DNIe	: On ▷
100Hz Motion Plus	: Low ▷
Reset	: OK ▷
◆ Move	⏎ Enter ↺ Return

♦ **Digital NR: Off/Low/Medium/High/Auto**
   If the signal received by the television is weak, you can activate this feature to reduce any static and
   ghosting that may appear on the screen.
   ➣ This function is not available in PC mode.
   ➣ When the signal is weak, select one of the other options until the best picture is displayed.

♦ **Active Colour: Off/On**
   If you turn on this option, the colours of the sky and grass will be stronger and clearer for a more
   vivid on-screen picture.
   ➣ This function is not available in PC mode.
   ➣ This function is not available in "Movie" and "Standard" mode.

♦ **DNIe: Off/On**
   This TV includes the DNIe function so as to provide a high visual quality. If you set DNIe to on, you
   can view the screen with the DNIe feature activated.
   ➣ DNIe™ (Digital Natural Image engine) **DNIe™**
      This feature brings you more detailed image with 3D noise reduction, detail enhancement,
      contrast enhancement and white enhancement. New image compensation Algorithm gives brighter,
      clearer, more detailed image to you. DNIe™ technology will fit every signal into your eyes.
   ➣ This function is not available in PC mode.
   ➣ This function is not available in "Movie" mode

♦ **100Hz Motion Plus: Off/Low/Medium/High/Demo**
   You can view more natural skin and clear text even in fast moving scenes.
   ➣ This function is not available in PC mode.
   ➣ If you enable "100Hz Motion Plus", noise may appear on the screen.
      If this occurs, set "100Hz Motion Plus" to "Off" or select one of the other options.

Freezing the Current Picture

**Press the STILL button to freeze a moving picture into a
still one. Press again to cancel.**
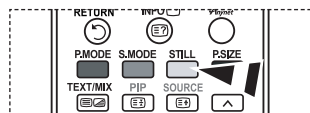
Viewing the Picture In Picture (PIP)

You can display a sub picture within the main picture of set programme or video input. In this way, you can watch the picture of set programme or video input from any connected equipment while watching the main picture.

1. Press the **MENU** button to display the menu. Press the ▲ or ▼ button to select "Setup", then press the **ENTER/OK** button.

2. Press the ▲ or ▼ button to select "PIP", then press the **ENTER/OK** button.

3. Select the required option by pressing the ▲ or ▼ button, then press the **ENTER/OK** button.

4. When you are satisfied with your setting, press the **ENTER/OK** button.

5. Press the **EXIT** button to exit.

➣ You may notice that the picture in the PIP window becomes slightly unnatural when you use the main screen to view a game or karaoke.

♦ **PIP: On/Off**
   You can activate or deactivate the PIP function.

Main picture	Sub picture
Component 1, 2	TV, AV1, AV2
HDMI 1, 2, 3	TV, AV1, AV2
PC	TV, AV1, AV2

   Ⓗ Press the **PIP** button on the remote control repeatedly to activate or deactivate the "PIP".

♦ **Source: TV / AV1 / AV2**
   You can select a source of the sub-picture.
   Ⓗ You can select these options simply by pressing the **SOURCE** button on the remote control.

♦ **Size: ▭ / ▥ / ▱**
   You can select a size of the sub-picture.
   ➣ If main picture is in "PC" and "Component" mode, "Size" is not available.

♦ **Position: ▭ / ▭ / ▭ / ▭**
   You can select a position of the sub-picture.
   Ⓗ You can select these options simply by pressing the **POSITION** button on the remote control.

♦ **Programme**
   You can select a channel of the sub-picture only when the "Source" is set to "TV".
   Ⓗ You can select the channel of the sub picture simply by pressing the **P ⌃** or **P ⌄** button.
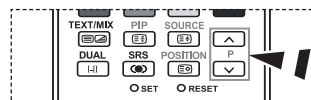
Sound Features

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Sound", then press the **ENTER/OK** button.

2. Select the required option by pressing the ▲ or ▼ button, then press the **ENTER/OK** button.
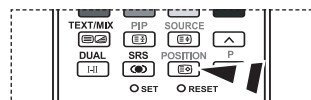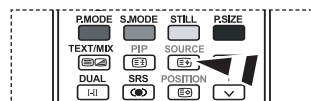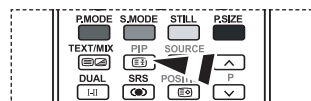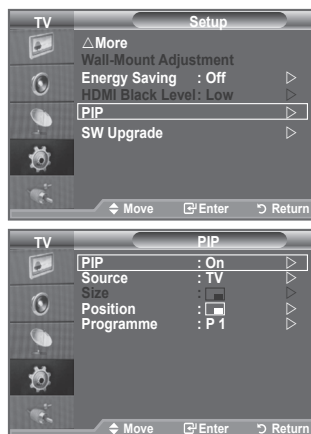   Available options: **Mode, Equalizer, SRS TS XT, Auto Volume, Internal Mute, Sound Select** (in PIP mode)**, Reset** (If Game Mode is On)

3. When you are satisfied with your setting, press the **ENTER/OK** button.

4. Press the **EXIT** button to exit.

	Sound	
Mode	: Custom	▷
Equalizer		▷
SRS TS XT	: Off	▷
Auto Volume	: Off	▷
Internal Mute	: Off	▷
Sound Select	: Main	▷
Reset		

‡ Move   Enter   ↺ Return

TV — Equalizer

R   +   +
0   0
L   -   -
Balance 100Hz 300Hz 1kHz 3kHz 10kHz

▶Move   ‡ Adjust   ↺ Return

♦ **Mode: Standard/Music/Movie/Speech/Custom**
You can select the type of special sound effect to be used when watching a given broadcast.
You can also select these options by simply pressing the **S.MODE** button on the remote control.
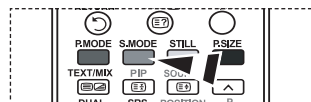
♦ **Equalizer: Balance/100Hz/300Hz/1kHz/3kHz/10kHz**
The sound settings can be adjusted to suit your personal preferences.
➣ If you make any changes to these settings, the sound mode is automatically switched to "Custom".

♦ **SRS TS XT: Off/On**
TruSurround XT is a patented SRS technology that solves the problem of playing 5.1 multichannel content over two speakers. TruSurround delivers a compelling, virtual surround sound experience through any two-speaker playback system, including internal television speakers. It is fully compatible with all multichannel formats.
You can also set these options simply by pressing the **SRS** button on remote control.
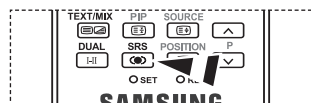
SRS ◉
TruSurround XT
TruSurround XT, SRS and ◉ symbol are trademarks of SRS Labs, Inc. TruSurround XT technology is incorporated under license from SRS Labs, Inc.

♦ **Auto Volume: Off/On**
Each broadcasting station has its own signal conditions, and so it is not easy to adjust the volume every time the channel is changed. This feature lets you automatically adjust the volume of the desired channel by lowering the sound output when the modulation signal is high or by raising the sound output when the modulation signal is low.

♦ **Internal Mute: Off/On**
If you want to hear the sound through separate speakers, cancel the internal amplifier.

➢ The **VOL+**, **VOL-** and **MUTE** buttons do not operate when the "Internal Mute" is set to On.
➢ When "Internal Mute" is set to "On", the Sound menus except for "Sound Select" (in PIP mode) cannot be adjusted.

♦ **Sound Select: Main/Sub**
When the PIP feature is activated, you can listen to the sound of the sub (PIP) picture.
 - **Main**: Used to listen to the sound of the main picture.
 - **Sub**: Used to listen to the sound of the sub picture.

♦ **Reset**
If "Game Mode" is On, the Reset Sound function is activated(refer to page 25). Selecting the Reset function after setting the equalizer resets the equalizer setting to the factory defaults.

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DIGITAL
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Connecting Headphones

You can connect a set of headphones to your set if you wish to watch a TV programme without disturbing the other people in the room.

➢ When you insert the head set jack into the corresponding port, you can operate only "SRS TS XT", "Auto Volume" and "Sound Select"(in PIP mode) in Sound menu.
➢ Prolonged use of headphones at a high volume may damage your hearing.
➢ You will not receive sound from the speakers when you connect headphones to the system.
➢ The headphone volume and TV volume are adjusted differently.

TV Side Panel

Selecting the Sound Mode

**You can set the sound mode by pressing the "DUAL" button.
When you press it, the current sound mode is displayed on the
screen.**

	Audio Type	DUAL 1/2	Default
A2 Stereo	Mono	Mono	Automatic change
	Stereo	Stereo ↔ Mono	
	Dual	Dual 1 ↔ Dual 2	Dual 1
NICAM Stereo	Mono	Mono	Automatic change
	Stereo	Mono ↔ Stereo	
	Dual	⌐ Mono ↔ Dual 1 ⌐ Dual 2 ←	Dual 1
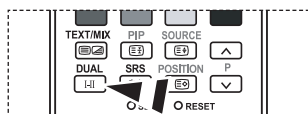
You can also set these options simply by pressing the **DUAL** button on remote control.

➣ If the stereo signal is weak and an automatic switching occurs, then switch to the Mono.
➣ This function is only activated in stereo sound signal. It is deactivated in mono sound signal.

Setting and Displaying the Current Time

**You can set the TV's clock so that the current time is
displayed when you press the INFO button. You must also
set the time if you wish to use the automatic On/Off timers.**

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Setup", then press the
   ENTER/OK button.

2. Press the ▲ or ▼ button to select "Time", then press the
   ENTER/OK button.

3. Press the **ENTER/OK** button to select "Clock Set".

4.

To...	Press the...
Move to Month, Day, Year, Hour, Minute or am/pm	◄ or ► button.
Set the Month, Day, Year, Hour Minute or am/pm	▲ or ▼ button.
Confirm the setting	**ENTER/OK** button.
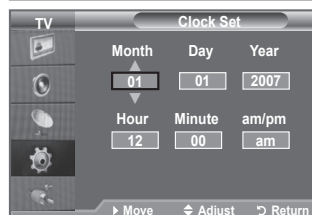
5. Press the **EXIT** button to exit.

➣ If you disconnect the power cord, you have to set the clock again
➣ You can also set Year, Month, Day, Hour, and Minute by pressing the number buttons on the remote control.

TV	Setup	
	Plug & Play	▷
	Language	: English ▷
	Time	▷
	Game Mode	: Off ▷
	Blue Screen	: Off ▷
	Melody	: Off ▷
	PC	▷
	Home Theatre PC	: Off ▷
	Light Effect	: In Standby ▷
	▽More	
	◆ Move	⏎Enter ↺ Return

TV	Clock Set	
	Month Day Year	
	01 01 2007	
	Hour Minute am/pm	
	12 00 am	
	▶ Move ◆ Adjust ↺ Return	

Setting the Sleep Timer

You can select a time period of between 30 and 180 minutes after which the television automatically switches to standby mode.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Setup", then press the **ENTER/OK** button.

2. Press the ▲ or ▼ button to select "Time", then press the **ENTER/OK** button.

3. Press the ▲ or ▼ button to select "Sleep Timer", then press the **ENTER/OK** button.

4. Press the ▲ or ▼ button repeatedly until the desired time appears (Off, 30, 60, 90, 120, 150, 180).
   Press the **ENTER/OK** button.

5. Press the **EXIT** button to exit.

➣ The TV automatically switches to standby mode when the timer reaches 0.

TV	Setup
Plug & Play	▷
Language	: English ▷
Time	▷
Game Mode	: Off ▷
Blue Screen	: Off ▷
Melody	: Off ▷
PC	▷
Home Theatre PC	: Off ▷
Light Effect	: In Standby ▷
▽More	
♦ Move	↵ Enter ↩ Return

TV	Time
Clock Set	: Off
Sleep Timer	: 30
Timer 1	: 60
Timer 2	: 90
Timer 3	: 120
	150
	180
♦ Move	↵ Enter ↩ Return
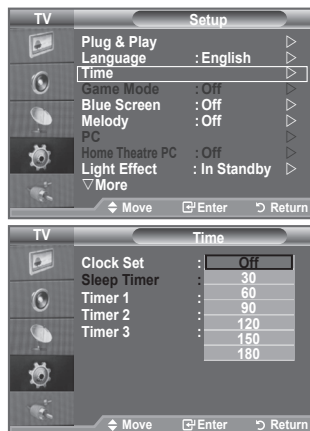
Switching the Television On and Off Automatically

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Setup", then press the **ENTER/OK** button.

2. Press the ▲ or ▼ button to select "Time", then press the **ENTER/OK** button.

3. Press the ▲ or ▼ button to select "Timer 1", "Timer 2", "Timer 3", then press the **ENTER/OK** button.

➣ You must set the clock first.

4. Press the ◀ or ▶ button to select the required item below.
   Press the ▲ or ▼ button to adjust to the setting satisfied.

   ♦ **On Time** : Select hour, minute, am/pm and "Yes"/"No".
      (To activate timer with the setting satisfied, set to "Yes".)

   ♦ **Off Time** : Select hour, minute, am/pm and "Yes"/"No".
      (To activate timer with the setting satisfied, set to "Yes".)

   ♦ **Repeat** : Select "Once", "Everyday", "Mon-Fri", "Mon-Sat", or "Sat-Sun".

   ♦ **Volume** : Select the required volume level.

   ♦ **Programme** : Select the required channel.

➣ You can set the hour, minute, and channel directly by pressing the number buttons on the remote control.

➣ **Auto Power Off**
   When you set the timer "On", the TV will eventually turn off, if no controls are operated for 3 hours after the TV was turned on by timer. This function is only available in timer "On" mode and prevents overheating, which may occur if a TV is on for too long time.

TV	Setup
Plug & Play	▷
Language	: English ▷
Time	▷
Game Mode	: Off ▷
Blue Screen	: Off ▷
Melody	: Off ▷
PC	▷
Home Theatre PC	: Off ▷
Light Effect	: In Standby ▷
▽More	
♦ Move	↵ Enter ↩ Return

TV	Timer 1
On Time	12 : 00 am No
Off Time	12 : 00 am No
Repeat Once	Volume 10
Programme 01	
▶ Move	♦ Adjust ↩ Return

Choosing Your Language

When you start using your set for the first time, you must select the language which will be used for displaying menus and indications.
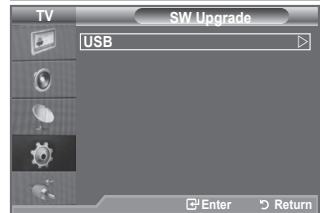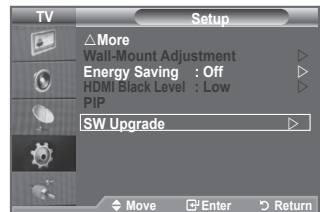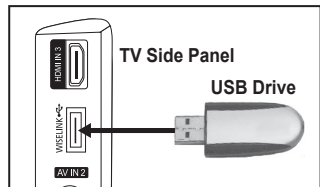
1. Press the **MENU** button to display the on-screen menu. Press the ▲ or ▼ button to select "Setup", then press the **ENTER/OK** button.

2. Press the ▲ or ▼ button to select "Language", then press the **ENTER/OK** button.

3. Select a particular language by pressing the ▲ or ▼ button repeatedly.
    Press the **ENTER/OK** button.

4. Press the **EXIT** button to exit.

TV	Setup	
	Plug & Play	▷
	Language : English	▷
	Time	▷
	Game Mode : Off	▷
	Blue Screen : Off	▷
	Melody : Off	▷
	PC	▷
	Home Theatre PC : Off	▷
	Light Effect : In Standby	▷
	▽ More	
	♦ Move ↵ Enter ↺ Return	

TV	Setup	
	Plug & Play	
	Language : **English**	
	Time 中国语	
	Game Mode **Français**	
	Blue Screen : العربية	
	Melody : فارسى	
	PC	
	Home Theatre PC : Off	
	Light Effect : In Standby	
	▽ More	
	♦ Move ↵ Enter ↺ Return	

Upgrading the Software

Samsung may offer upgrades for TV's firmware in the future. Please contact the Samsung call center to receive information about downloading upgrades and using a USB drive. Upgrades will be possible by connecting a USB drive to the USB port located on located on the side of your TV.

1. Insert a USB drive containing the firmware upgrade into the WISELINK port on the side of the TV.

2. Press the **MENU** button to display the menu.
    Press the ▲ or ▼ button to select "Setup", then press the **ENTER/OK** button.

3. Press the ▲ or ▼ button to select "SW Upgrade", then press the **ENTER/OK** button.

4. Press the **ENTER/OK** button.
    Please be careful to not disconnect the power or remove the USB drive while upgrades are being applied. The TV will turn off and turn on automatically after completing the firmware upgrade. Please check the firmware version after the upgrades are complete.

TV Side Panel

USB Drive

TV	Setup	
	△ More	
	Wall-Mount Adjustment	▷
	Energy Saving : Off	▷
	HDMI Black Level : Low	▷
	PIP	
	SW Upgrade	▷
	♦ Move ↵ Enter ↺ Return	

TV	SW Upgrade	
	USB	▷
	↵ Enter ↺ Return	

Game Mode/ Blue Screen / Melody / Light Effect / Energy Saving / HDMI Black Level

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Setup", then press the
   ENTER/OK button.

2. Select the required option by pressing the ▲ or ▼ button,
   then press the **ENTER/OK** button.
   Available options: **Game Mode, Blue Screen, Melody, Light
   Effect, Energy Saving, HDMI Black Level**

3. When you are satisfied with your setting, press the
   ENTER/OK button.

4. Press the **EXIT** button to exit.

♦ **Game Mode: Off/On**
  When connecting to a game console such as PlayStation™
  or Xbox™, you can enjoy a more realistic gaming
  experience by selecting game menu.
  ➣ To disconnect the game console and connect another
     external device, cancel game mode in the setup menu.
  ➣ If you display the TV menu in Game mode, the screen
     shakes slightly.
  ➣ "Game Mode" is not available in TV mode.
  ➣ If "Game Mode" is On:
    • Picture Mode changes to "Standard" and Sound Mode changes to "Custom" automatically.
      The user cannot change these to other modes.
    • Sound Mode in the Sound menu is deactivated. Adjust the sound using the equalizer.
    • The Reset Sound function is activated. Selecting the "Reset" function after setting the
      equalizer resets the equalizer setting to the factory defaults.

♦ **Blue Screen: Off/On**
  If no signal is being received or the signal is very weak, a blue screen automatically replaces the
  noisy picture background. If you wish to continue viewing the poor picture, you must set the Blue
  Screen to Off.

♦ **Melody: Off/Low/Medium/High**
  The TV power on/off melody sound can be adjusted.

♦ **Light Effect: Off/In Standby/In Watching TV/Always**
  You can turn on/off the LED on the front of TV according to the situation. Use it for saving power or
  when the LED dazzles your eyes.
  − **Off**: LED will not come on.
  − **In Standby**: Turns the LED on in standby mode.
  − **In Watching TV**: Turns the LED on while watching TV.
  − **Always**: LED is always on.
    ➣ Set the "Light Effect" to "Off" to reduce the power consumption.

♦ **Energy Saving: Off/Low/Medium/High/Auto**
  This feature adjusts the screen brightness depending on the surrounding lighting conditions.
  − **Off**: Turns off the energy saving function.
  − **Low**: Sets the TV to low energy saving mode.
  − **Medium**: Sets the TV to medium energy saving mode.
  − **High**: Sets the TV to high energy saving mode.
  − **Auto**: Automatically adjusts the brightness of the TV screen in accordance with the scenes.

♦ **HDMI Black Level: Normal/Low**
  You can directly select the black level on the screen to adjust the screen depth.
  ➣ This function is active only when the external input connects to HDMI(RGB signals).
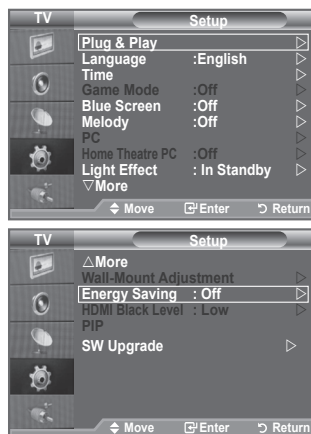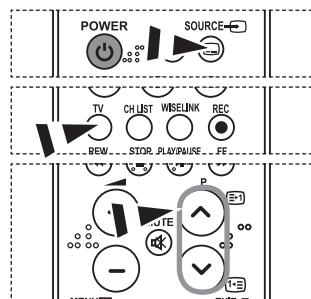
Selecting the Source

You can select among external sources connected to your TV's input jacks.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Input", then press the **ENTER/OK** button.

2. Press the **ENTER/OK** button again, to select "Source List".
   ➢ When no external device is connected to your set, only "TV" is activated in the "Source List". "AV1", "AV2","**S-Video**", "**Component1**", **"Component2"**, **"PC"**, "HDMI1", "HDMI2","HDMI3" are activated only when they are connected to your set.

3. Select the required device by pressing the ▲ or ▼ button. Press the **ENTER/OK** button.

⌨ Press the **SOURCE** button on the remote control to toggle between all the available source.
TV mode can be selected by pressing the **TV** button, number buttons(0~9), and the **P⊘/⊙** button on the remote control. But it cannot be selected using the **SOURCE** button.

Editing the Input Source Names

Name the device connected to the input jacks to make your input source selection easier.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Input", then press the **ENTER/OK** button.

2. Press the ▲ or ▼ button to select "Edit Name", then press the **ENTER/OK** button.

3. Press the ▲ or ▼ button to select the device that you wish to edit.
   Press the **ENTER/OK** button.

4. Press the ▲ or ▼ button to select the required device. Press the **ENTER/OK** button.

5. Press the **EXIT** button to exit.

   ➢ When a PC with a resolution of 1920 x 1080@60Hz is connected to the HDMI IN 2 port, you should set the "HDMI2" mode to "PC" in the "Edit Name" of the "Input" mode.
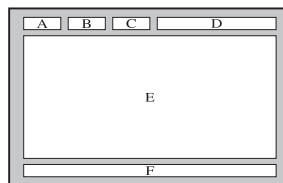
Teletext Decoder

Most set channels carry " teletext ", pages of written information that provide information such as:
♦ **Television programme times.**
♦ **News bulletins and Weather forecasts.**
♦ **Sports results.**
♦ **Subtitles for the hard of hearing.**

The teletext pages are organized according to six categories:

| Part	Contents
A	Selected page number.
B	Broadcasting station identity.
C	Current page number or search status.
D	Date and time.
E	Text.
F	Status information.

Displaying the Teletext Information

You can display teletext information at any time, but signal reception must be good. Otherwise:

   ♦ **Information may be missing.**

   ♦ **Some pages may not be displayed.**

To activate the teletext mode and display the contents page:

1. Using the **P**⊘ (▤) or **P**⊙ (▥) button, select the channel providing the teletext service.

2. Press the **TEXT/MIX** (▤/▨) button to activate the teletext mode.
   ➣ The contents page is displayed. It can be redisplayed at any time by pressing the **MENU** (▤) button.

3. Press the **TEXT/MIX** (▤/▨) button again.
   ➣ The actual broadcast will be displayed with "Teletext", "Double", and "Mix" in order on the screen.

4. Press the **TV** button to exit from the Text display.
   ➣ If any broken character appears while Text is being viewed, make sure that the Text language is identical with the language in the "Setup" menu mode. If both languages are different, select the same language with the Text language on the "Setup" menu.
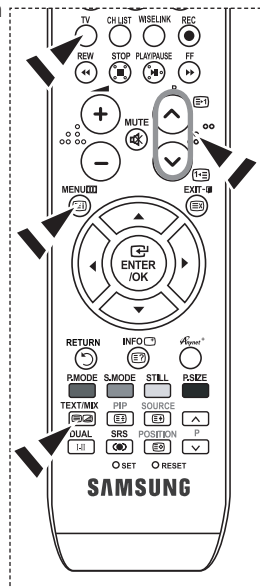
Selecting a Specific Teletext Page

Press the number buttons on the remote control to enter the page number directly:

1. Enter the three-digit page number listed in the contents by pressing the corresponding numeric buttons.

2. If the selected page is linked with several secondary pages, the secondary pages are displayed in sequence. To freeze the display on a given page, press the **PIP** (▣) . Press the **PIP** (▣) button again to resume.

3. Using the various display options:

To display...	Press the...
Both teletext information and the normal broadcast	**TEXT/MIX (▤/▨)**
Hidden text (answers to quiz games, for example)	**INFO (▤?)**
The normal screen	**INFO (▤?)**
A secondary page, by entering its 4-digit number	**PRE-CH (▣)**
The next page The previous page	**P ⌃ (▣)** **P ⌄ (▣)**
Double-size letters in the: • Upper half of the screen • Lower half of the screen	**SOURCE (▣)** • Once • Twice
Normal screen	• Three times
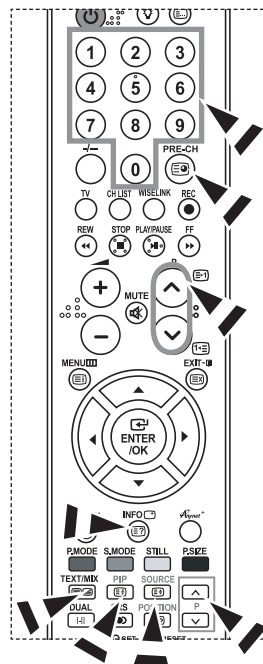
Using Fastext to Select a Teletext Page

The various topics included in the teletext pages are colour-coded, and can be selected by pressing the coloured buttons on the remote control.

1. Display the teletext contents page by pressing the **TEXT/MIX** (▤/▨) button.

2. Press the coloured button corresponding to the topic that you wish to select
(The available topics are listed on the status information line).

3. Press the Red button to display the previous page.
Press the Green button to display the next page.

4. Press the **TV** button to exit from the Text display.
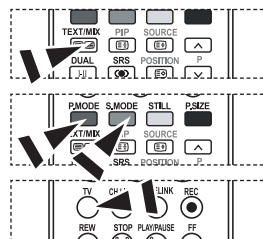
Setting Up Your Remote Control

After it has been set up properly, your remote control can operate in five different modes: TV, DVD, Cable, Set-Top Box, VCR. Pressing the corresponding button on the remote control allows you to switch between these modes, and control whichever piece of equipment you choose.

➢ The remote control might not be compatible with all DVD Players, VCRs, Cable boxes, and Set-Top Boxes.

Setting Up the Remote to Operate Your VCR, CABLE, DVD and STB

1. Turn off your **VCR, CABLE, DVD** and **STB**.

2. Press the **VCR, CABLE, DVD** and **STB** button on your TV's remote control.

3. Press the **SET** button on your TV's remote control.

4. Using the number buttons on your remote control, enter three digits of the VCR code listed on pages 30~32 of this manual for your brand of VCR. Make sure you enter three digits of the code, even if the first digit is a "0". (If more than one code is listed, try the first one.)

5. Press the **POWER**⏻ button on the remote control.
   Your VCR should turn on if your remote is set up correctly.
   If your VCR does not turn on after set up, repeat steps 2, 3, and 4, but try one of the other codes listed for your brand of VCR.
   If no other codes are listed, try each VCR code, 000 through 080.
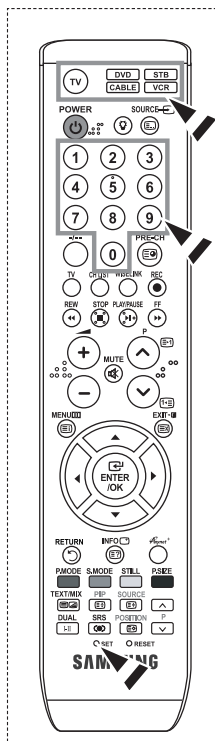
Remote Control Codes

➣ **VCR**

Brand	Code
SAMSUNG	000 001 002 003 004 005 077 078 079
ADMIRAL	020
AIWA	025
AKAI	004 027 032
AUDIO DYNAMICS	007 026
BELL&HOWELL	018
BROKSONIC	022
CANDLE	002 003 006 008 015 055
CANON	021 056
CITIZEN	002 003 006 008 015 055
COLORTYME	007
CRAIG	002 024
CURTIS MATHES	002 007 008 017 021 025 056 064 066
DAEWOO	003 010 011 012 013 014 015 016
DB	007 026
DIMENSIA	017
DYNATECH	025
ELECTROHOME	034
EMERSON	001 003 006 021 022 025 030 032 034 040 047 050 052 060 063 065 066 067 069 073
FISHER	018 024 028 029 048 051 061
FUNAI	025
GENERAL ELECTRIC	002 005 017 021 056
GO VIDEO	002
HARMAN KARDON	007
HITACHI	019 025 041 042 074
INSTANT REPLAY	021
JC PENNEY	002 007 018 019 021 026 037 041 054 056
JCL	007 008 018 021 026 037
JVC	081 082 083
KENWOOD	007 008 018 021 026 037
KLH	070
KONIA	036
LG(Goldstar)	006 007 008 009 010
LIOYD	025
LOGIK	038
LXI	025
MAGNAVOX	021 056 059
MARANTZ	007 008 018 021 026 037 062
MARTA	006
MEI	021
MEMOREX	006 021 024 025
MGA	034
MIDLAND	005
MINOLTA	019 041 075
MITSUBISHI	019 034 041 046

Brand	Code
MONTGOMERY WARD	020
MTC	002 025
MULTITECH	002 005 025 038
NEC	007 008 018 026 037 062 064
OPTIMUS	020
ORION	073 074 075 076
PANASONIC	021 056 071 072
PENTAX	019 041 075
PENTEX RESEARCH+	008
PHILCO	021 056 059
PHILIPS	021 080
PIONEER	019 026 039 053
PORTLAND	015 049 055
PROSCAN	017
QUARTZ	018
QUASAR	021 056
RADIO SHACK/ REALISTIC	006 018 020 021 024 025 029 034 048 056
RCA	002 017 019 021 035 041 043 057 068 076
SANSUI	026
SANYO	018 024
SCOTT	003 047 052 067
SEARS	006 018 019 024 028 029 041 048 051
SHARP	020 034 045 015
SHIMTOM	027 033 038 058
SIGNATURE	025
SONY	027 033 044
SYLVANIA	021 025 056 059
SYMPHONIC	025
TANDY	018 025
TASHIKA	006
TATUNG	037
TEAC	025 037 068
TECHNICS	021
TEKNIKA	006 021 025 031
TMK	066
TOSHIBA	003 019 029 051 052
TOTEVISION	002 006
UNITECH	002
VECTOR RESEARCH	007 026
VICTOR	026
VIDEO CONCEPTS	007 026
VIDEOSONIC	002
WARDS	002 003 006 019 020 021 024 025 034 038 041
YAMAHA	007 008 018 026 037
ZENITH	023 027 033

CABLE BOX

Brand	Code		Brand	Code
SAMSUNG	000 001 002 003 004 005 006 007		REGENCY	015 023
GI	041		SA	042 043
HAMLIN	003 024 031		SCIENTIFIC ATLAN	042 043
HITACHI	025 030		SPRUCER	022
JERROLD	038 039		STARGATE 2000	036
MACOM	025 030		SYLVANIA	016
MAGNAVOX	019 023 028		TEXSCAN	016
OAK	026		TOCOM	032
PANASONIC	003 022 027 037 044		UNIVERSAL	033 034
PHILIPS	019 021 023 028		VIEWSTAR	019 021 023 028
PIONEER	004 018 020 044		WAMER AMEX	046
RCA	014 022 040		ZENITH	017 029 035 037 045
REGAL	003			

SAMSUNG DVD

Product	Code		Product	Code
DVD	000 001 002		Home Theatre VCR COMBO	014 015 016
DVDR	003 004		HDD Recorder COMBO	017
BD Record	005 006		TWIN TRAY COMBO	018
VCR COMBO	007 008 009 010 011		STB DVD COMBO	019
VCR Record	012		DVD Receiver	020
DHR COMBO	013		AV Receiver	021

DVD

Brand	Code		Brand	Code
ANAM	030		INTEGRA	092
AUDIOVOX	075		JBL	091
AUDIOLOGIC	085		JVC	022 033 115 116
ANABA	072		JATON	073
APEX DIGITAL	070 071 074 086 083 084 088 111 112		KENWOOD	051 108 109
AIWA	114		KISS	073
BROKSONIC	062		KONKA	059 100 106 107
BLAUPUNKT	074		KLH	074 075
B&K	122 123		LG(Goldstar)	025 031
CURTIS MATHES	027		LOEWE	057
CYBER HOME	077 078 079 082		LASONIC	058
CLARION	080 125		MOBILE AUTHORITY	054
CIRRUS	081		MEMOREX	055
CYBER HOME	065		MALATA	056
CINEVISION	095		MAGNAVOX	076 093
DAEWOO	066		MINTEK	074 094
DENON	146		MONYKA	073
FARENHEIT	067 068		NORCENT	048 049 050
FISHER	090		NEXT BASE	052
GPX	060		NEC	053
GO VIDEO	061 089 133 135		NANTAUS	144
GE	069 074		NESA	074
GREENHILL	074		OPTOMEDIA ELECTRONICS	105
HITACHI	064 113		OPTIVIEW	072
HITEKER	071		ONKYO	076 092 119
HOYO	073		PHILCO	044 045
HARMAN / KARDON	091 110		PRINCETON	046 047
IRT	089		PROSCAN	023

➣ DVD

Brand	Code	Brand	Code
PANASONIC	024 034 124 134 136 137 138	THOMSON	145
PHILIPS	036 076	TOSHIBA	028 062 076
ROTEL	117 118	TECHNICS	139
RIO	120	TVIEW	072
RCA	023 035 074 075 131 132	TOKAI	073
RAITE	073	TEAC	096
ROWA	038	TECHWOOD	097
SAMPO	104	TREDEX	098 099 101
SONY	026 029 126 127 128 129 130 141	URBAN CONCEPTS	076
SHERWOOD	039 041	VENTURER	075
SVA	042	VOCOPRO	102
SYLVANIA	043 093	YAMAHA	032 063
SHARP	140	YAMAKAWA	040 073
SANSUI	062	XWAVE	103
SANYO	062 090	ZENITH	076 121
SHINSONIC	094		

➣ SAMSUNG SET-TOP BOX

Product	Code
Ground wave STB	**000** 001 002 008 **013**
CABLE STB	**000** 004 008 **013**
Satellite STB	**000** 003 008 **013**

➣ SET-TOP BOX

Brand	Code	Brand	Code
ALPHASTAR	023	MAGNAVOX	016 021 036 038 039 040 041 042
ANAM	043	MEMOREX	016
CHANNEL MASTER	018 034	MOTOROLA	064
CROSSDIGITAL	019	MACOM	018
CHAPARRAL	035	MITSUBISHI	015
DIRECT TV	015 016 017 019 022 045 060 061 062 065 066 067 068	NEXT LEVEL	047 048 064
		PHILIPS	015 016 017 021 033 036 038 039 040 041 042 067
DAEWOO	074		
DISH NETWORK SYSTEM	069 070	PRIMESTAR	046 049 050 063
		PANASONIC	058 059 061 062
DISHPRO	069	PAYSAT	016
DRAKE	018 024 032	PROSCAN	065 066
DX ANTENNA	027	RCA	051 052 053 065 066
ECHOSTAR	025 069 070 071	RADIOSHACK	064
EXPRESSVU	069	REALISTIC	057
GOI	069	STAR TRAK	026
GE	065	STS	020 027
GENERAL INSTRUMENT	046 047 048 063 064	SKY	031
HTS	069	SKY LIFE	005 006 007
HOME CABLE	056	SHACK	064
HITACHI	022	STAR CHOICE	064
HUGHES NETWORK	015 017	SONY	054 060
IQ	020	TOSHIBA	015 017 028 029 030 072
IQ PRISM	020	ULTIMATE TV	060 066
JANEIL	059	UNIDEN	016 021 037 055 056 057
JERROID	063	ZENITH	024 031 068
JVC	069 070		
LG(Goldstar)	044 073		

Setting up Your PC Software (Based on Windows XP)

The Windows display-settings for a typical computer are shown below. The actual screens on your PC may be different depending upon your particular version of Windows and your particular video card. Even if your actual screens look different, the same, basic set-up information will apply in almost all cases. (If not, contact your computer manufacturer or Samsung Dealer.)

1. First, click on "Control Panel" on the Windows start menu.
2. When the control panel window appears, click on "Appearance and Themes" and a display dialog-box will appear.
3. When the control panel window appears, click on "Display" and a display dialog-box will appear.
4. Navigate to the "Settings" tab on the display dialog-box.
   The correct size setting (resolution): Optimum- 1920 X 1080
   If a vertical-frequency option exists on your display settings dialog box, the correct value is "60" or "60 Hz". Otherwise, just click "OK" and exit the dialog box.

Display Modes

Both screen position and size will vary depending on the type of PC monitor and its resolution.
The resolutions in the table are recommended. (All resolutions between the supported limits are supported)

➢ **D-Sub Input**

Mode	Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Pixel Clock Frequency (MHz)	Sync Polarity (H/V)
IBM	640x350	31.469	70.086	25.175	+/-
	720×400	31.469	70.087	28.322	-/+
	640×480	31.469	59.940	25.175	-/-
VESA	640×480	37.861	72.809	31.500	-/-
	640×480	37.500	75.000	31.500	-/-
	800×600	37.879	60.317	40.000	+/+
	800×600	48.077	72.188	50.000	+/+
	800×600	46.875	75.000	49.500	+/+
	1024×768	48.363	60.004	65.000	-/-
	1024×768	56.476	70.069	75.000	-/-
	1024×768	60.875	75.029	78.750	+/+
	1152x864	53.783	59.959	81.750	-/+
	1152x864	67.500	75.000	108.000	+/+
	1280x960	60.000	60.000	108.000	+/+
	1280×1024	63.981	60.020	108.000	+/+
	1280×1024	79.986	75.025	123.000	+/+
	1600×1200	75.000	60.000	162.000	+/+
	1920×1080	66.587	59.934	138.500	+/-
VESA GTF	640×480	35.000	70.000	28.560	-/+
	800×600	43.750	70.000	45.500	-/+
	1024×768	57.672	72.000	78.434	-/-

➢ **HDMI/DVI Input**

Mode	Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Pixel Clock Frequency (MHz)	Sync Polarity (H/V)
IBM	640x350	31.469	70.086	25.175	+/-
	720×400	31.469	70.087	28.322	-/+
	640×480	31.469	59.940	25.175	-/-
VESA	800×600	37.879	60.317	40.000	+/+
	1024×768	48.364	60.004	65.000	-/-
	1280×1024	63.981	60.020	108.000	+/+
	1920×1080	66.587	59.934	138.500	+/-

➢ The interlace mode is not supported.
➢ The set might operate abnormally if a non-standard video format is selected.
➢ Separate and Composite modes are supported. SOG is not supported.
➢ Too long or low quality VGA cable can cause picture noise at high resolution modes (1920x1080 or 1600x1200).

Setting the PC

Coarse and Fine Tuning of the Image (Image Lock):
The purpose of picture quality adjustment is to remove or reduce picture noise.
If the noise is not removed by Fine-tuning alone, then adjust the frequency as best as possible (coarse) and Fine-tune again.
After the noise has been reduced, re-adjust the picture so that it is aligned on the center of screen.
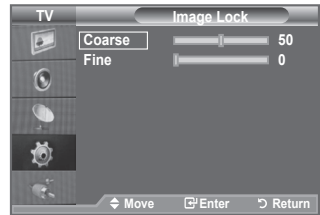
1. Preset: Press the **SOURCE** button to select PC mode.

2. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Setup", then press the **ENTER/OK** button.

3. Press the ▲ or ▼ button to select "PC", then press the **ENTER/OK** button.

4. Press the **ENTER/OK** button to select "Image Lock".

5. Press the ▲ or ▼ button to select "Coarse" or "Fine", then press the **ENTER/OK** button.

6. Press the ◄ or ► button to adjust the screen quality.
   Press the **ENTER/OK** button.

7. Press the **EXIT** button to exit.

Changing the Image Position:
Adjust the PC's screen positioning if it does not fit the TV screen.

1. Follow the "Coarse and Fine Tuning of the Image (Image Lock)"
   instructions number 1 to 3.

2. Press the ▲ or ▼ button to select "Position", then press the **ENTER/OK** button.

3. Press the ▲ or ▼ button to adjusting the Vertical-Position.
   Press the ◄ or ► button to adjust the Horizontal-Position.
   Press the **ENTER/OK** button.

4. Press the **EXIT** button to exit.
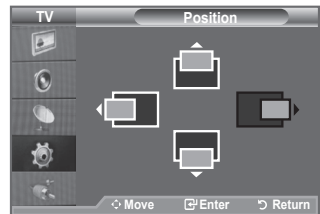
Adjusting the PC Screen Automatically (Auto Adjustment):
Auto adjustment allows the PC screen of set to self-adjust to the incoming PC video signal. The values of fine, coarse and position are adjusted automatically.

1. Follow the "Coarse and Fine Tuning of the Image (Image Lock)" instructions number 1 to 3.

2. Press the ▲ or ▼ button to select "Auto Adjustment", then press the **ENTER/OK** button.

3. Press the **EXIT** button to exit.
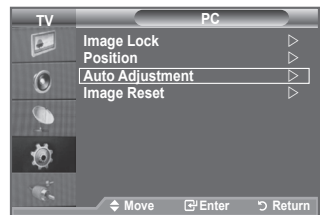
Initializing the Image Settings (Image Reset):
You can replace all image settings with the factory default values.

1. Follow the "Coarse and Fine Tuning of the Image (Image Lock)" instructions number 1 to 3.

2. Press the ▲ or ▼ button to select "Image Reset", then press the **ENTER/OK** button.

3. Press the **EXIT** button to exit.
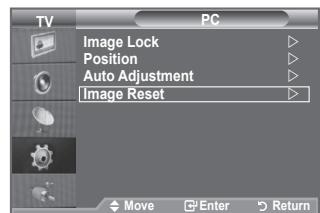
Setting the Home Theatre PC

You can view higher quality pictures by configuring the screen settings in PC Mode.
If you set the Home Theatre PC function to On, you can configure the Detail Settings (when Picture Mode is set to Standard or Movie) as in PC Mode.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Setup", then press the **ENTER/OK** button.

2. Press the ▲ or ▼ button to select "Home Theatre PC". Press the **ENTER/OK** button.

3. Press the ▲ or ▼ button to select "Off" or "On". Press the **ENTER/OK** button.

4. Press the **EXIT** button to exit.

➣ This function is available only in PC mode.

TV	Setup
	Plug & Play ▷
	Language : English ▷
	Time ▷
	Game Mode : Off ▷
	Blue Screen : Off ▷
	Melody : Off ▷
	PC ▷
	Home Theatre PC : Off ▷
	Light Effect : In Standby ▷
	▽More
♦ Move	Enter ↻ Return

TV	Setup
	Plug & Play
	Language : English
	Time
	Game Mode : Off
	Blue Screen : Off
	Melody : Off
	PC
	Home Theatre PC : Off
	Light Effect : On
	▽More
♦ Move	Enter ↻ Return

Using the WISELINK Function

This function enables you to view and listen to photo (JPEG) and audio files (MP3) saved on a USB Mass Storage Class (MSC) device.
Press the **POWER** button on the remote control or front panel. Connect a USB device containing JPEG and/or MP3 files to the WISELINK jack (USB jack) on the side of the TV.
If you enter the WISELINK mode with no USB device connected the message "There is no device connected" will appear. In this case, insert the USB device, exit the screen by pressing the WISE LINK button on the remote control and enter the WISELINK screen again.

TV Side Panel

USB Drive
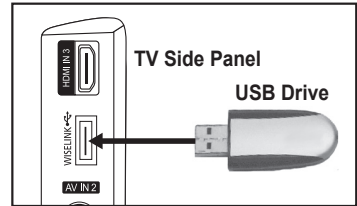
Only alphanumeric characters must be used as a folder name or filename (photo, music).

The file system only supports FAT16/32 (The NTFS file system is not supported)

Certain types of USB Digital camera and audio devices may not be compatible with this TV.

Wiselink only supports the USB Mass Storage Class device (MSC). MSC is a Mass Storage Class Bulk-Only Transport device. Examples of MSC are Thumb drives and Flash Card Readers (Both USB HDD and HUB are not supported.)

Before connecting your device to the TV, please back up your files to prevent them from damage or loss of data.SAMSUNG is not responsible for any data file damage or data loss.

Recommended image resolution for Wiselink is 6 mega pixels.

Please connect directly to the USB port of your TV. If you are using a separate cable connection, there may be a USB Compatibility problem.

Only MP3 and JPEG file formats are supported.

The Wiselink mp3 format only supports music files with a high sampling frequency (32 kHz, 44.1 kHz, or 48 kHz).

We recommend the sequential jpeg format. Progressive jpeg uses a lot of memory and decoding may fail.

Do not disconnect the USB device while it is "loading."

Neither PTP (Picture Transfer Protocol) nor MTP (Media Transfer Protocol) is supported.

The playing duration of an mp3 file may be displayed as '00:00:00' if its playing time information is not found at the start of the file.

The higher the resolution of the image, the longer it takes to display on the screen.

If the horizontal resolution of an image is higher than 5000, it cannot be decoded.

If the vertical resolution of an image is higher than 4000, it cannot be decoded.

The Photo or Music List displays up to 300 folders or files.

Using the WISELINK Menu

1. Press the **MENU** button. Press the ▲ or ▼ button to select "Input", then press the **ENTER/OK** button.

2. Press the ▲ or ▼ button to select "WISELINK", then press the **ENTER/OK** button.

TV	Input
Source List	: TV ▶
Edit Name	▶
Anynet+ (HDMI-CEC)	
WISELINK	

‡ Move   Enter   Return
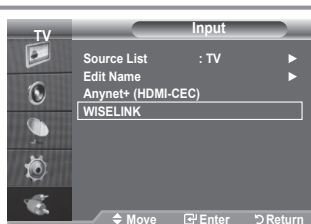
3. Press the ▲ or ▼ button to select the corresponding USB Memory Device, then press the **ENTER/OK** button.
   > The "WISELINK" menu differs depending on the USB Memory Device connected to TV.
   > Some devices may not be supported due to compatibility problems.

WISELINK

STORAGE DEVICE
STORAGE DEVICE
STORAGE DEVICE
STORAGE DEVICE

USB
Generic

‡ Move   Enter   Exit

4. Press the ◄ or ► button to move to an icon, then press the **ENTER/OK** button.
   > To exit WISELINK mode, press the **WISELINK** button on the remote control.

WISELINK

Music
XTICK
861MB/994MB Free

Photo   Music   Setup

‡ Move   Enter   Return
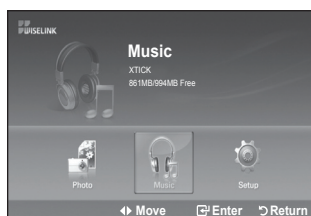
Press the **WISELINK** button on the remote control to display a WISELINK menu.

Using the Remote Control Button in WISELINK Menu

Button	Operations
	Move the cursor and select an item.
	Select the currently selected item.
PLAY/PAUSE	Play or pause the Slide Show or MP3 file.
RETURN	Return to the previous menu.
INFO	Run various functions from the Photo and Music menus.
STOP	Stop the current slide show or MP3 file.
REW FF	Page Up or Down (file list item)
EXIT	Stop the current function and return to the previous high-level menu.
P	Stop WISELILNK mode. (Returns to TV mode)

Using the PHOTO (JPEG) List

This menu shows JPEG files and folders saved on an USB memory device**.**

1. Complete Steps 1 to 3 of "Using the WISELINK Menu". (Refer to page 37)
2. Press the ◄ or ► button to move to "Photo", then press the **ENTER/OK** button. The saved file information is displayed as a folder or file.
3. Press the ▲, ▼, ◄ and ► buttons to select a file.
   • Pressing the **ENTER/OK** button over a photo icon shows the currently selected photo in full screen.
   • Pressing the **ENTER/OK** button over a folder icon shows the JPEG files included in the folder.

   To exit WISELINK mode, press the **WISELINK** button on the remote control.

   ➤ Moving to a photo may take a few seconds to load the file. At this point, the ⌧ Loading icon will appear at the top left of the screen.
   ➤ It takes time to show JPEG files as Thumbnail images.
   ➤ This menu only shows files whose file extension is jpg. Files of other formats such as bmp or tiff will not be displayed.
   ➤ The files are displayed on a page. 15 thumbnail photos are displayed per page.
   ➤ The thumbnails are numbered from left to right and from top to bottom, from 1 to 15.
   ➤ Certain types of USB Digital camera and audio devices may not be compatible with this TV.
   ➤ Folders are displayed first and they are followed by all JPEG files in the current folder. The folders and JPEG files are sorted in alphabetical order.
   ➤ If the photo is displayed in full screen, you can zoom in and out or rotate the photo on the screen.
   ➤ While a full screen is displayed, ◄ or ► button will let you see another photo image in the same folder.
   ➤ Press the **PLAY/PAUSE** button when a Photo icon is selected to start a Slide Show.
   ➤ Photos without EXIF information may not be displayed as thumbnail images in the PHOTO LIST depending on the picture quality and resolution.

Viewing a Slide Show

4. Press the **INFO** button to display the option("Start Slide Show", "Select All").
5. Press the ▲ or ▼ button to select "Start Slide Show" then press the **ENTER/OK** button.
   ➤ During the slide show, files are displayed in order from the currently shown file.
   ➤ MP3 files can be automatically played during the Slide Show if the Default Background Music is set to On. To enable this function, MP3 files and other photo files must be located in the same folder on the USB Memory Device.
6. Press the **INFO** button during the slide show to set the following options ("Slide Show Speed", "Background Music", "Background Music Setting", "List"). Press the ▲ or ▼ button to select the option, then press the **ENTER/OK** button.
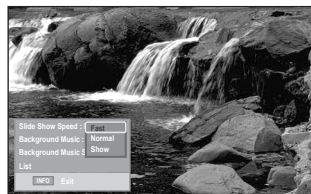   • After setting the option press the **ENTER/OK** button to make a change.
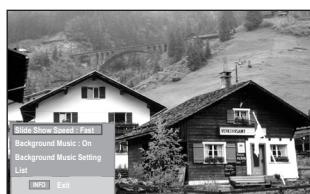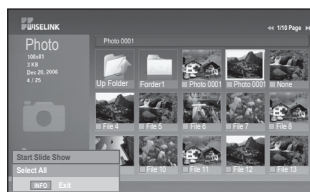
Using the Menu during a Slide Show

Slide Show Speed**:**
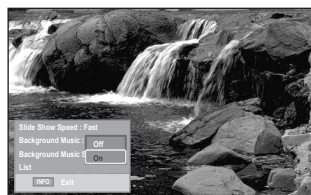Select to control the slide show speed.
Press the ▲ or ▼ button to select the required option("Fast", "Normal", "Slow"), then press the **ENTER/OK** button.

Background Music:
Select to choose whether you want to play an MP3 file during a slide show.
Press the ▲ or ▼ button to select the required option("On", "Off"), then press the **ENTER/OK** button.

Background Music Setting:
While the slide show is in progress, MP3 files and folders under the same directory are displayed.
Select a folder using the ▲ or ▼ button and press the **ENTER/OK** button. The selected folder will be highlighted. Press the **RETURN** button again to return to the slide show screen. The selected background music is played.

➣ If you turn Off the Background Music, even if the Background Music Settings have been set up, the background music will not be played.
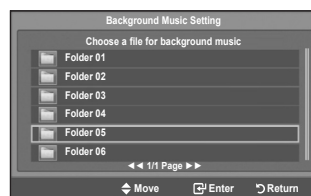
List:
The file information is displayed as a folder or JPEG file.
To exit WISELINK mode, press the **WISELINK** button on the remote control.
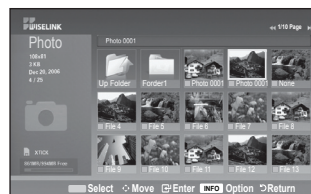
➣ When selecting a photo file, the photo file information is displayed on the left side of the TV screen, such as the resolution, the date modified and the order of the file in the current directory (e.g. 10th out of 15).

: Folder icon

: Photo icon

: Move to the previous folder stage icon

Such as the resolution
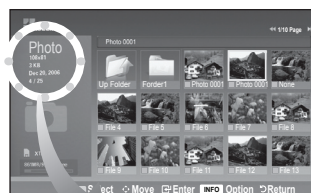
Photo
108 x 81
3KB
Dec20. 2006
4/25

Date modified

Order of the file in thecurrent directory

Using the Option Menu

1. Complete Steps 1 to 3 of "Using the WISELINK Menu". (Refer to page 37)
2. Press the ◄ or ► button to move to "Photo", then press the **ENTER/OK** button. The saved file information is displayed as a folder or file.
3. Press the ▲, ▼, ◄ and ► button to select a file, then press the **ENTER/OK** button. Pressing the button over a photo thumbnail displays the photo in full screen.
4. Press the **INFO** button to display the option("Start Slide Show", "Zoom", "Rotate", "List")
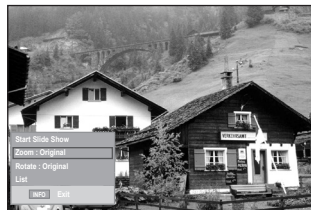
Zoom:
- Press the ▲ or ▼ button to select "Zoom", then press the **ENTER/OK** button.
- Select the required option by pressing the ▲ or ▼ button, then press the **ENTER/OK** button. (Original, X2, X4)
➢ To pan up/down/left/right in the zoomed-in photo, press the **INFO** button to exit option menu, then press the ▲, ▼, ◄ and ► buttons.
➢ The "Rotate/Start Slide Show" option is disabled when the "Zoom" option is selected.

➢ "Original" : Restore a photo to its original size.

  " x2 " : Zoom-in to a photo x2.

  " x4" : Zoom-in to a photo x4.

  ▼ / ▲ / ◄ / ► : Move the zoomed-in photo up/down/right/left.

Rotate:
- Press the ▲ or ▼ button to select "Rotate", then press the **ENTER/OK** button.
- Select the required option by pressing the ▲ or ▼ button, then press the **ENTER/OK** button. (Original, 90, 180, 270)
➢ The rotated file is not saved.
➢ The "Zoom/Start Slide Show" option is disabled when the "Rotate" option is selected.

➢ "Original" : This rotates a photo to its original position

  "90" : This rotates a photo by 90 degrees

  "180" : This rotates a photo by 180 degrees

  "270" : This rotates a photo by 270 degrees
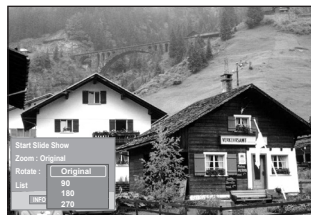
Using the MP3 List

This menu shows MP3 files from among the files saved on a USB memory device.

1. Complete Steps 1 to 3 of "Using the WISELINK Menu". (Refer to page 37)
2. Press the ◄ or ► button to move to "Music", then press the **ENTER/OK** button. The saved file information is displayed as a folder or file.
3. Press the ▲ or ▼ button to move to an icon, then press the **ENTER/OK** button.
   • Pressing the **ENTER/OK** button over a musical note icon immediately plays the music file.
   • Pressing the **ENTER/OK** button over a folder icon shows the music files included in the folder.
   • To select a file on the next page, press the **REW ◄◄** or **FF ►►** button to move to the next page.
4. To select all files or a file, press the **INFO** button to display the Music menus. Press the **ENTER/OK** button to select "Play", "Repeat Music" or "Select All".

   To exit WISELINK mode, press the **WISELINK** button on the remote control.
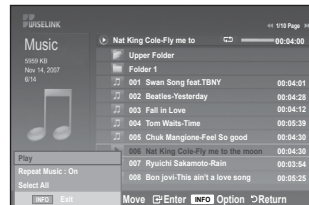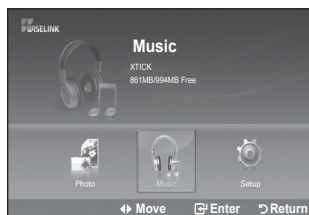
: Folder icon

: Music icon

: Move to the previous folder stage icon

Using the Option Menu

Play:
Select to play MP3 files.

➤ Press the **PLAY/PAUSE ►II** button while playing an MP3 file to pause the file.
➤ Press the **STOP ■** button to exit Play mode.
➤ This menu only shows files with the MP3 file extension. Files with other file extensions are not displayed,even if they are saved on the same USB device.
➤ The selected file is displayed on the top with its playing time.
➤ To adjust the music volume, press the **VOL+** or **VOL-** button on the remote control. To mute the sound, press the **MUTE** button on the remote control.
➤ **FF ►►** or **REW ◄◄** button does not function during the play.

Repeat Music:
Select to repeatedly play MP3 files in the current folder.
You can select On or Off

Music function information icon

🔁 : When all music files are being played.

🔂 : When a music file is being played.

⊳ / ⓘⓘ : When pressing the **PLAY/PAUSE►II** button on the remote control while music is playing.

⏹ : When pressing the **STOP ■** button on the remote control when music is stopped.

Using the Setup Menu

Setup displays the user settings of the WISELINK menu.

1. Complete Steps 1 to 3 of "Using the WISELINK Menu". (Refer to page 37)
2. Press the ◄ or ► button to move to "Setup", then press the **ENTER/OK** button.
3. Press the ▲ or ▼ button to select an item you want, then press the **ENTER/OK** button. ("Slide Show Speed", "Background Music", "Background Music Setting", "Repeat Music", "Screen Saver")
4. Press the ▲ or ▼ button to select the option, then press the **ENTER/OK** button.
   To exit WISELINK mode, press the **WISELINK** button on the remote control.

Slide Show Speed:

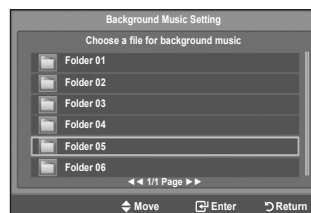Select to control the slide show speed. You can select "Fast", "Normal" or "Slow".
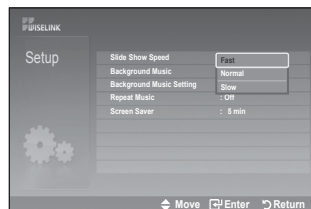
Background Music :

Select to determine whether to play an MP3 file during a slide show. You can select Music "On" or Music "Off".
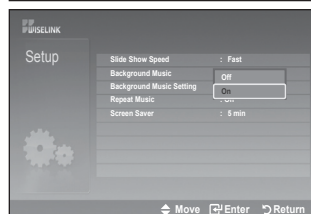
Background Music Setting:

While a slide show is in progress, use the "Background Music Setting" to select a music file to listen to. Select an MP3 file as the background music.
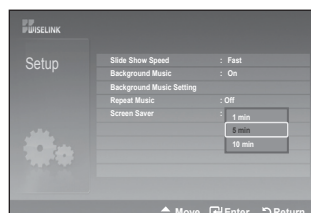
Repeat Music:

Select to determine whether to repeat playing the music when all MP3 files in the current folder have been played.
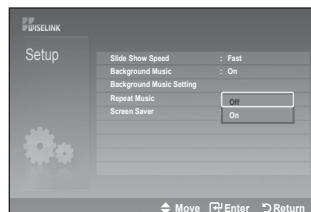
Screen Saver:

Select to set the waiting time before the screen saver appears. The screensaver will appear when no button is pressed for 1, 5 or 10 minutes.

What is Anynet⁺?

Anynet+ is an AV network system that enables an easy-to-use AV interface for users by controlling all connected AV devices through the Anynet+ menu when Samsung Electronics AV devices are connected.
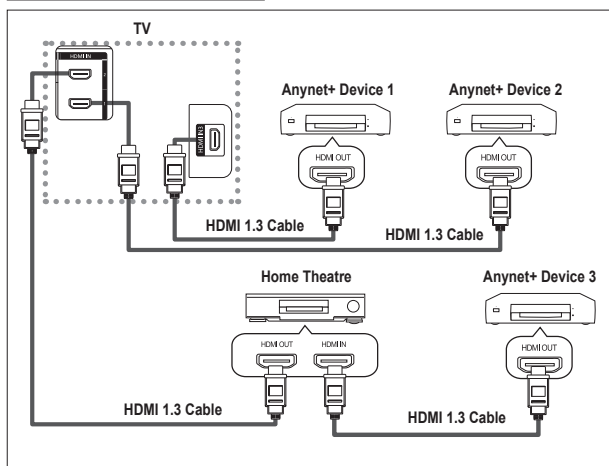
Connecting Anynet⁺ Devices

The Anynet+ system supports AV devices supporting Anynet+ only.
Check if there is an Anynet+ mark on the AV device to be connected to the TV.

To directly connect to TV
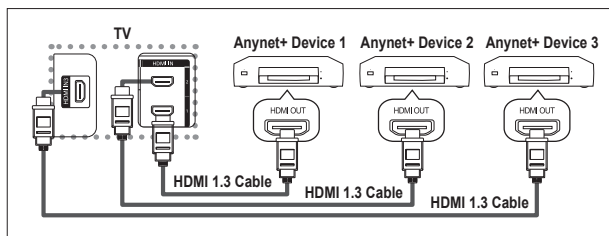
Connect the [HDMI 1], [HDMI 2] or [HDMI 3] jack on the TV and the HDMI OUT jack of the corresponding Anynet+ device using the HDMI cable.

To connect to Home Theater

1. Connect the [HDMI 1], [HDMI 2] or [HDMI 3] jack on the TV and the HDMI OUT jack of the corresponding Anynet+ device using the HDMI cable.
2. Connect the HDMI IN jack of the home theatre and the HDMI OUT jack of the corresponding Anynet+ device using the HDMI cable.

➤ Connect only one receiver.
➤ You can connect an Anynet+ device using the HDMI 1.3 cable. Some HDMI cables may not support Anynet+ functions.
➤ Anynet+ works when the AV device supporting Anynet+ is in the Standby or On status.
➤ Anynet+ supports up to 8 AV devices in total.

Setting Up Anynet⁺

The following settings are to use Anynet+ functions.

Using the Anynet+ Function

1. Press the **Anynet+** button.
   Press the ▲ or ▼ button to select **Setup**, then press the **ENTER/OK** button.
2. Press the **ENTER/OK** button to select **Anynet+ (HDMI-CEC)**, then press the **ENTER/OK** button.
3. Press the ▲ or ▼ button to select **On**, then press the **ENTER/OK** button.

➣ The Anynet+ (HDMI-CEC) function is enabled.
➣ If you select **Off**, Anynet+ (HDMI-CEC) is disabled.
➣ When the Anynet+ (HDMI-CEC) function is disabled, all the Anynet+ related operations are deactivated.
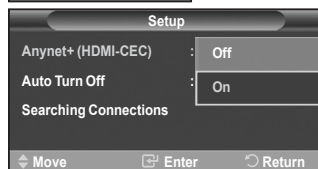
Turning an Anynet+ Device Off Automatically when the TV is Turned Off

1. Press the ▲ or ▼ button to select **Auto Turn Off**, then press the **ENTER/OK** button.
2. Press the ▲ or ▼ button to select **On**, then press the **ENTER/OK** button.
   ➣ The Auto turn off function is enabled.
   ➣ If you select **Off**, the Auto turn off function is canceled.
   Press the **EXIT** button to exit.
➣ The Select Device setting of the TV remote control is to be set to TV to use the Anynet+ function.
➣ If you set Auto Turn Off to On, connected external devices are also turned off when the TV is turned off. However, if the device is recording, it may not be turned off.
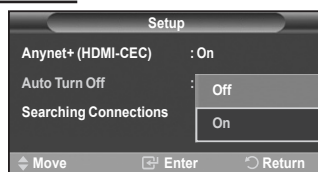
Scanning and Switching between Anynet⁺ Devices

1. Press the **Anynet+** button.
2. Press the ▲ or ▼ button to select **Select Device**, then press the **ENTER/OK** button.
3. Press the ▲ or ▼ button to select to a particular device and press the **ENTER/OK** button.
   It is switched to the selected device.
4. If you cannot find a device you want, press the ▲ or ▼ button to select **Searching Connections**, then press the **ENTER/OK** button.
   The meassage **Configuring Anynet+ connection...** is displayed. When searching devices completes, the connected devices are listed in the Anynet+ menu.

➣ Switching to the selected devices may take up to 2 minutes. You cannot cancel the operation during the switching operation.
➣ The time required to scan for devices is determined by the number of connected devices.
➣ When the device scan is complete, the number of found devices is not displayed.
➣ Although the TV automatically scans devices when it is turned on using the **POWER** button, devices connected when the TV is on or under a specific circumstance are not displayed in the device list. Therefore select **Searching Connections** menu to search devices.
➣ If you have selected external input mode by pressing the **SOURCE** button, you cannot use the Anynet+ function. Make sure to switch to an Anynet+ device by using the **Anynet+** button.
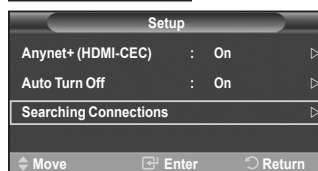
Anynet+ Menu

The Anynet+ menu changes depending on the type and status of the Anynet+ devices connected to the TV.

Anynet+ Menu	Description
View TV	Switches from Anynet+ to TV broadcast mode.
Select Device	Your TV connects to the corresponding device.
Record	Starts a recording. (This menu works only for a device supporting recording.)
Menu on Device	Shows the menu of the connected device. Example. When a DVD Recorder is connected, the DVD Recorder's title menu appears.
Device Operation	Shows the play control menu of the connected device. Example. When a DVD Recorder is connected, the play control menu of the DVD Recorder appears.
Receiver	Sound is output through the receiver.
Setup	You can set the environment for using Anynet+.

TV Remote Control Buttons Available in Anynet+ Mode

Device Type	Operating Status	Available Buttons
Anynet+ Device	After switching to the device, when the menu of the corresponding device is displayed on the screen.	Numeric buttons ▲/▼/◄/►/**ENTER/OK** buttons Colour buttons **EXIT** button
	After switching to the device, while playing a file	◄◄(Backward search) ►►(Forward search) ■(Stop) ►ǁ (Play/Pause)
Device with built-in Tuner	After switching to the device, when you are watching a TV programme	CH ▲/▼ button
Audio Device	When Receiver is activated	VOL +/- button MUTE button
Anyview2	When watching TV	►ǁ (Play/Pause)

➤ The Anynet+ function only works when the remote control is set to TV.
➤ The **REC** button works only while in the recordable state.
➤ You cannot control Anynet+ devices using the buttons on the side of the TV. You can control Anynet+ devices only using the TV remote control.
➤ The TV remote control may not work under certain conditions. In this case, re-select the Anynet+ device.
➤ The Anynet+ functions don't operate for the products from other manufacturers.
➤ In Anynet+ mode, the colour buttons may not work properly.
➤ The ◄◄, ►► operations may differ depending on the device.

Recording

You can make a recording of a TV programme using a recorder.

Press the **REC** button.
Recording begins. (Only when the Anynet+ enabled recording device is connected.)
➤ The current TV programme is recorded in the Watching TV status. If you are watching video from another device, the video from the device is recorded.
➤ You can also record the source streams by selecting **Record** after pressing the Anynet+ button.
➤ Before recording, check whether the antenna jack is properly connected to the recording device. For the antenna connection to the recording device, refer to its user manual.

Listening through a Receiver

You can listen to sound through a receiver instead of the TV speaker.

1. Press the **Anynet+** button.
   Press the ▲ or ▼ button to select **Receiver**, then press the **ENTER/OK** button.
2. Press the ◄ or ► button to select to **On**, then press the **ENTER/OK** button.
   Now you can listen to sound through the receiver.
3. Press the **EXIT** button to exit.

➢ When the receiver is set to On, you can listen to the TV sound through the 2-channel receiver.
➢ If the receiver is exclusively for a home theatre only (supporting audio only), it may not appear in the device list.
➢ In case of a content with copyright problem, listening through the receiver may not properly operate.
➢ When listening through the receiver, there are restrictions for using the PIP and audio-related menu.

TV	**P9**
📺 View TV	
📼 Select Device	▷
📼 Record	▷
📼 Menu on Device	▷
📼 Device Operation	▷
🔘 Receiver :On	▷
⚙ Setup	▷
⇕ Move	↵ Enter
↩ Exit	

Check Points before Requesting Service

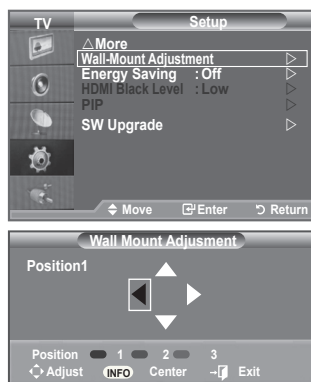| Symptom	Solution
Anynet+ does not work.	■ Check if the device is an Anynet+ device. The Anynet+ system supports Anynet+ devices only. ■ Connect only one receiver. ■ Check if the Anynet+ device power cord is properly connected. ■ Check the Anynet+ device's Video/Audio/HDMI 1.3 cable connections. ■ Check whether Anynet+ (HDMI-CEC) is set to On in the Anynet+ setup menu. ■ Check whether the TV remote control is in TV mode. ■ Check whether it is Anynet+ exclusive remote control. ■ Anynet+ doesn't work at a certain condition. (Searching channels) ■ When connecting or removing the HDMI 1.3 cable, please make sure to search devices again or restart your TV. ■ Check if the Anynet+ Function of Anynet+ device is set on.
I want to start Anynet+.	■ Check if the Anynet+ device is properly connected to the TV and check if the Anynet+ (HDMI-CEC) is set to On in the Anynet+ Setup menu. ■ Press the **TV** button on the TV remote control to switch to TV. Then press the Anynet+ button to show the **Anynet+** menu and select a menu you want.
I want to exit Anynet+.	■ Select **View TV** in Anynet+ menu. ■ Press the **SOURCE** button on the TV remote control and select a device other than Anynet+ devices. ■ Press any of **CH**, **CH LIST**, **PRE-CH**, and such to change to the TV mode. (Note that the channel button operates only when a tuner-embedded Anynet+ device is not connected.)
The Connecting to Anynet+ device… message appears on the screen.	■ You cannot use the remote control when you are configuring Anynet+ or switching to a view mode. ■ Use the remote control when the Anynet+ setting or switching to view mode is complete.
The Anynet+ device does not play.	You cannot use the play function when Plug & Play is in progress.
The connected device is not displayed.	■ Check whether or not the device supports Anynet+ functions. ■ Check whether or not the HDMI 1.3 cable is properly connected. ■ Check whether Anynet+ (HDMI-CEC) is set to On in the Anynet+ setup menu. ■ Search Anynet+ devices again. ■ You can connect an Anynet+ device using the HDMI 1.3 cable only. Some HDMI cables may not support Anynet+ functions.
The TV programme cannot be recorded.	Check whether the antenna jack on the recording device is properly connected.

Wall-Mount Adjustment (Sold separately)

Once the wall mount is installed, the position of your TV can be easily adjustable.
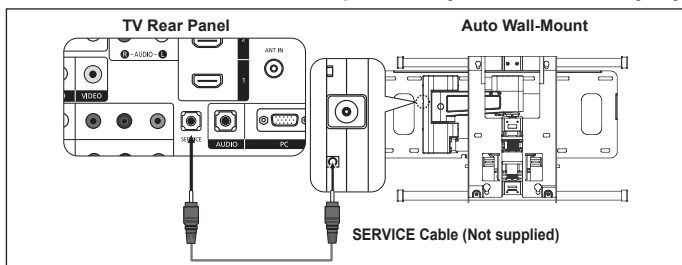
TV Rear Panel　　　　　　　　**Auto Wall-Mount**

SERVICE Cable (Not supplied)

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Setup", then press the **ENTER/OK** button.
2. Press the ▲ or ▼ button to select "Wall-Mount Adjustment", then press the **ENTER/OK** button.
3. Adjust to the desired position using the ▲,▼,◄,► buttons.
4. Press the **EXIT** button to exit.

➣ If you press an arrow button when no OSD is displayed on the TV screen, the Adjustment screen appears.
➣ When you turn the power off, your TV moves to the initial installation position.
   When you turn the power on, your TV moves to the last remembered position you adjusted.
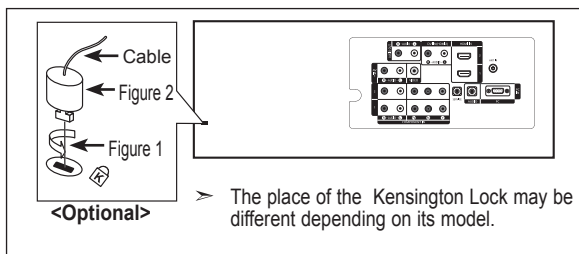➣ The auto wall mount will not work when Anynet+ is operating.

TV	Setup
△**More**	
Wall-Mount Adjustment	▷
Energy Saving : Off	▷
HDMI Black Level : Low	▷
PIP	▷
SW Upgrade	▷

◆ Move　　⏎ Enter　　�↩ Return

Wall Mount Adjusment

Position1

Position　　1　　2　　3
✛ Adjust　INFO Center　→ Exit

Using the Remote Control Buttons

Button	Operations	
Wall-mount angle adjustment	Tilt Up, Tilt Down, Move right, Move left	
Reset	Moves to the initial installation position	
green button red button　yellow button	Remembering the position and moving to the remembered position	1. Select the Direction buttons of the remote control. 2. Press the red button (Select Position 1). 3. Adjust the set to a desired position following the wall mount owner's manual. 4. The position you adjusted last is memorized as Position 1. 5. By using the green button (Select Position 2) and the yellow button (Select Position 3), you can save positions according to the procedures above. 6. You can save 3 respective positions. To the red button (Select Position 1), green button (Select Position 2) and yellow button (Select Position 3). If you press a button after saving, the set automatically moves to that saved angle. 7. If you additionally move the set from a saved position, the last position is saved.

➣ For installation, refer to the Installation Manual provided.
➣ For product installation and the installation and moving of the wall mount, make sure to consult a specialized installation company.
➣ This installation manual is to be used when attaching the wall mount to a wall.
   When attaching to other building materials, please contact your nearest dealer

Using the Anti-Theft Kensington Lock (depending on the model)

The Kensington lock is a device used to physically fix the system when using it in a public place. The locking device has to be purchased separately. The appearance and locking method may differ from the illustration depending on the manufacturer. Please refer to the manual provided with the Kensington lock for proper use.

1. Insert the locking device into the Kensington slot on the LCD TV (Figure 1), and turn it in the locking direction (Figure 2).

2. Connect the Kensington lock cable.

3. Fix the Kensington lock to a desk or a heavy stationary object.

Cable

Figure 2

Figure 1

<Optional>

➢ The place of the Kensington Lock may be different depending on its model.

# Troubleshooting: Before Contacting Service Personnel

No sound or picture	◆ Check that the mains lead has been connected to a wall socket. ◆ Check that you have pressed the ⏻ button on the front of the set. ◆ Check the picture contrast and brightness settings. ◆ Check the volume.
Normal picture but no sound	◆ Check the volume. ◆ Check whether the **MUTE**◁̸ button has been pressed on the remote control. ◆ Check if "Internal Mute" is off
Screen is black and power indicator light blinks steadily	◆ On your computer check; Power, Signal Cable. ◆ The TV is using its power management system. ◆ Move the computer's mouse or press any key on the keyboard.
No picture or black and white picture	◆ Adjust the colour settings. ◆ Check that the broadcast system selected is correct.
Sound and picture interference	◆ Try to identify the electrical appliance that is affecting the set and move it further away. ◆ Plug your set into a different mains socket.
Blurred or snowy picture, distorted sound	◆ Check the direction, location and connections of your aerial. This interference is often due to the use of an indoor aerial.
Remote control malfunctions	◆ Replace the remote control batteries. ◆ Clean the upper edge of the remote control (transmission window). ◆ Check the battery terminals.
"Check signal cable." message is displayed.	◆ Check that the signal cable is firmly connected to the PC or video sources. ◆ Check that the PC or video sources are turned on.
On PC mode, "Not Supported Mode." message is displayed.	◆ Check the maximum resolution and the frequency of the video adaptor. ◆ Compare these values with the data in the Display Modes.
The damaged picture appears in the corner of the screen.	If "Just Scan" is selected in some external devices, the damaged picture may appear in the corner of the screen. This symptom is caused by external devices, not TV.

The TFT LCD panel uses a panel consisting of sub pixels (6 220 800) which require sophisticated technology to produce. However, there may be few bright or dark pixels on the screen. These pixels will have no impact on the performance of the product.

Technical and Environmental Specifications

Model Name	LA40F8	LA46F8	LA52F8
Screen Size (Diagonal)	40 inch	46 inch	52 inch
PC Resolution	1920 x 1080 @ 60 Hz	1920 x 1080 @ 60 Hz	1920 x 1080 @ 60 Hz
Sound			
Output	10 W X 2	10 W X 2	10 W X 2
Dimensions (WxDxH)			
Body	1094 x 103 x 607 mm	1222 x 111 x 687 mm	1366 x 120 x 780 mm
With stand	1094 x 290 x 675 mm	1222 x 320 x 752 mm	1366 x 320 x 845 mm
Weight			
With stand	24 kg	33 kg	37 kg
Environmental Considerations			
Operating Temperature	10 °C to 40 °C (50 °F to 104 °F)	10 °C to 40 °C (50 °F to 104 °F)	10 °C to 40 °C (50 °F to 104 °F)
Operating Humidity	10 % to 80 %, non-condensing	10 % to 80 %, non-condensing	10 % to 80 %, non-condensing
Storage Temperature	-20 °C to 45 °C (-4 °F to 113 °F)	-20 °C to 45 °C (-4 °F to 113 °F)	-20 °C to 45 °C (-4 °F to 113 °F)
Storage Humidity	5 % to 95 %, non-condensing	5 % to 95 %, non-condensing	5 % to 95 %, non-condensing

Stand Swivel (Left / Right)
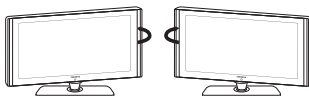
-20˚ ~ 20˚

➢ Design and specifications are subject to change without prior notice.

➢ This device is a Class B digital apparatus.

➢ For the power supply and Power Consumption, refer to the label attached to the product.